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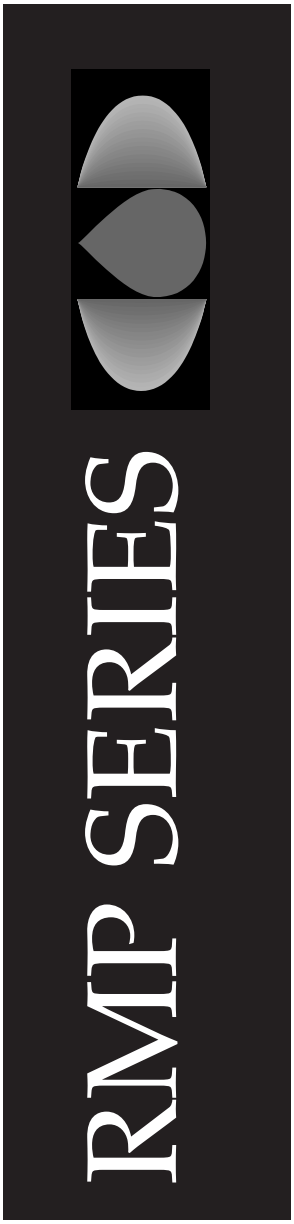
RISK MANAGEMENT PLAN ASCII FILE FORMAT



RMP ASCII FILE FORMAT DOCUMENT

This Risk Management Plans (RMP) American Standard Code for Information Interchange (ASCII) File Format Document (AFFD) specifies the proper format for submitting RMPs to the U.S. Environmental Protection Agency (EPA) under 40 CFR68. It specifies: 1) the format for the output file generated by RMP*Submit, 2) the format that third-party vendors should use for their output file, 3) the format for importing a file into RMP*Submit, and 4) the format of the input file for the RMP Reporting Center systems. The exchange mechanism will be an ASCII text file. The following table describes the format of the ASCII text file.

Notes:

- Each field in the ASCII file is separated by a pipe character ("|").
- The shaded rows in the table represent section headings and data element group labels and should not be considered as data elements.
- If a Risk Management Plan (RMP) is received that is missing any data elements required by RMP*Submit (see SUB column definition), the ASCII file will not be generated.
- In the validation rule, the word "between" indicates that the acceptable value can be between and is inclusive of the two stated values.
- The default for Yes/No fields is "No." All Null fields are equivalent to "No."

Column Definitions:

Data Element Name: Specifies the name identifier for the data element and corresponding section number, if applicable.

Length: Specifies the maximum number of characters or digits that is allowed for the field.

Type: Specifies a class of data characteristics with a common set of qualities for each data element. For example:

- Text: consists of letters or numerics.
- Numeric: denotes a number or a set of numbers (0 through 9).
- Date: indicates that the data element contains a calendar date.

Format: Specifies the layout of characters for decimal values as the total number of places in the field, including the decimal point and the decimal digits, (e.g., xxx.x). Also specifies the format for duration (e.g., HHHMM) and dates (e.g., YYYYMMDD) where:

- H=hours, M=minutes.
- Y=year, M=month, and D=day.

EPA Facility ID format is XXXXXXXXXXXX where:

- XXXXXXXXXXXX is a unique number assigned to the facility. The 12th digit is a computed check digit.

RMP: Specifies that the data element is required by the Risk Management Program (RMP) Rule, should not be blank, and will generate an error if not completed. If the data element is not checked, the data value can be blank. Data elements left blank will result in the RMP being marked "**Incomplete**."

Note: If a field is (CBI) and required by RMP, no error will be reported for the field if a value is not supplied for the field.

CBI: Specifies that the data element may be claimed as Confidential Business Information (CBI).

Note: If a field is CBI and required by RMP, no error will be reported for the field if a value is not supplied for the field.

SUB: Specifies that the data element must be provided to be accepted by the EPA Records Center. RMPs that are missing these data elements will be **unable to be processed** and returned to the submitter.

Validation Rule: These are tests that are performed on data to determine if it is of acceptable quality. Tests can include data type, range, or pattern checking.

For example:

- Must be "Y"es or "N"o.

Description: A brief statement describing the data element.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
EXECUTIVE SUMMARY You must provide one Executive Summary for each RMP. The Executive Summary should be relatively brief, but must include the following elements, covering all processes subject to the Rule: the accidental release prevention and emergency response policies at the stationary source and the regulated substances handled; a description of the worst case release scenario(s) and alternative release scenario(s) required by the Rule, including administrative controls and mitigation measures used to limit the distances reported for each scenario; a description of the general accident prevention program and chemical-specific prevention steps; a summary of the Five-Year Accident History; a summary of the Emergency Response Plan; and description of any planned changes to improve safety.								
Executive Summary Record								
Record identifier = EXECUTIVE SUMMARY	17	Text				✔	Must be 'EXECUTIVE SUMMARY'	Unique identifier for the Executive Summary. Generated by RMP*Submit and 3rd-party programs.
EXECUTIVE SUMMARY File Attachment Name	12	Text		★✔		★✔	Valid ASCII Filename with extension. ★Must not be null if Executive Summary is null.	This field is used to supply a filename for an Executive Summary. A separate ASCII text (TXT) file should be used when the Executive Summary exceeds 32,768 characters.
EXECUTIVE SUMMARY	32768	Text		★✔		★✔	★ Must not be null if Executive Summary File Attachment Name is null.	The Executive Summary includes a brief description of the facility's risk management program. One Executive Summary must be submitted for each RMP. ★✔ indicates that either the Executive Summary or the Executive Summary file Attachment Name be provided. If neither are provided your RMP will be **unable to be processed** and returned.
SECTION 1. REGISTRATION You must submit a single registration covering all processes subject to the Rule.								
Facility Record This section is required for all facilities.								
Record Identifier = S1FACILITY	10	Text				✔	Must be 'S1FACILITY'	Unique identifier for the facility record destination table. Generated by RMP*Submit and 3rd-party programs.
Software used to input RMP information	50	Text					None.	Indicates which RMP software was used to submit the plan. Generated by RMP*Submit and 3rd-party programs.
Version number of software used to input RMP information	15	Text					None.	Indicates which version of RMP software was used to submit the plan. Generated by RMP*Submit and 3rd-party programs.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
Submission Type Indicator Code	1	Text		✔			Should not be null.	"F" - First-time submission "R" - Resubmission "C" - Correction of existing RMP
1.1 Source Identification								
1.1.a. Facility Name	50	Text		✔		✔	Must not be null.	Facility name specific to the site.
1.1.b. Parent Company #1 Name	50	Text					None.	First Parent Company Name.
1.1.c. Parent Company #2 Name	50	Text					None.	Second Parent Company name for joint ventures.
1.2 EPA Facility Identifier	12	Text	xxxxxxxxxxxx	*			Numbers only. Digits 1-11 digits used to compute and validate 12th check digit.	Unique identifier for all RMPs submitted by a specific facility (assigned by Reporting Center for first-time submission). * After this number is assigned to the first submission for a facility, subsequent submissions for the same facility must include this identifier.
1.3 Other EPA Systems Program Facility Identifier	15	Text					None.	The unique identification number assigned to a facility by the Facility Index System (FINDS) (or if not known, the Resource Conservation and Recovery Act (RCRA), Emergency Planning and Community Right-to-Know Act (EPCRA), TRI, or other EPA facility identifier).
1.4 Dun and Bradstreet Numbers								
1.4.a. Facility DUNS	9	Text					Numbers only. Should be 9 digits (no less).	The Data Universal Numbering System (DUNS) number assigned by Dun & Bradstreet to the facility.
1.4.b. Parent Company #1 DUNS	9	Text					Numbers only. Should be 9 digits (no less).	The DUNS Number assigned by Dun & Bradstreet to the parent of the company of interest.
1.4.c. Parent Company #2 DUNS	9	Text					Numbers only. Should be 9 digits (no less).	If your facility is owned by a joint venture, this is the DUNS Number assigned by Dun & Bradstreet to the second parent company.
1.5 Facility Location								
1.5.a. Facility Street - Line 1	35	Text		✔		✔	Must not be null.	Facility Street - Line 1 using local street and road designations. No post office box numbers or rural route numbers. This is not the mailing address.
1.5.b. Facility Street - Line 2	35	Text					None.	Facility Street Address - Line 2
1.5.c. Facility City	19	Text		✔		✔	Must not be null.	The name of the city, town, or village where the facility is located.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
1.5.d. Facility State	2	Text		✔		✔	Restrict to pick list of Postal Service state abbreviations. Must not be null.	The U.S. Postal Service abbreviation for the state in which the facility is located.
1.5.e. Facility ZIP Code	5	Text		✔		✔	Numbers only. Must be 5-digits long (no less). Must not be null.	The Zoning Improvement Plan (ZIP) Code assigned to the facility by the U.S. Postal Service which represents a geographic area that facilitates mail delivery.
1.5.e. Facility ZIP Extension	4	Text					Numbers only. Should be 4-digits long (no less). Should not be null.	The four-digit extension code that represents the geographic segment that is a sub-unit of the ZIP Code and further refines the exact location of the facility.
1.5.f. Facility County	3	Text		✔			Restrict to pick list of FIPS county codes within state picked for facility. Should not be null.	Federal Information Processing Standard (FIPS) code for the county in which the facility is located.
1.5.g. Facility latitude (degrees, minutes, seconds)	9	Text	DDMMSS.S or -DDMMSS.S	✔			Should be valid Lat 0-90 for DD 0-59 for MM 0-59.9 for SS.S Should not be null.	Facility Latitude (‘-’ or ‘’ DDMMSS.S) where D=degrees, M=minutes, S=seconds, ‘-’ = South of the equator. This is the alternate representation of hemispheric information (ANSI X3.61-1986 and FIPS 70).
1.5.h. Facility longitude (degrees, minutes, seconds)	10	Text	DDDMMSS.S or -DDDMMSS.S	✔			Should be valid Long 0-180 for DDD 0-59 for MM 0-59.9 for SS.S Should not be null.	Facility Longitude (‘-’ or ‘’ DDDMMSS.S) where D=degrees, M=minutes, S=seconds, ‘-’ = West of the prime meridian. This is the alternate representation for hemispheric information (ANSI X3.61-1986 and FIPS 70).
1.5.i. Method	2	Text		✔			Restrict to list of codes based on MAD Version 6.1 Standard as implemented in Envirofacts Locational Reference Tables. Should not be null.	Code representing method used to obtain latitude or longitude data. Codes can be obtained from Method Accuracy Description (MAD) Version 6.1 Information Coding Standards as implemented in Envirofacts Locational Reference Tables (EF LRT). http://www.epa.gov/enviro/html/lrt/lrt_over.html

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
1.5.j. Description	2	Text		✔			Restrict to list of codes based on MAD Version 6.1 Standard as implemented in EF LRT. Should not be null.	Code for the physical place corresponding to the coordinate. Codes can be obtained from MAD Version 6.1 Standard as implemented in Envirofacts Locational Reference Tables (EF LRT). http://www.epa.gov/enviro/html/lrt/lrt_over.html
1.6 Owner/Operator								
1.6.a. Owner/Operator Name	35	Text		✔			Should not be null.	Name of the person or entity that owns or operates the facility.
1.6.b. Owner/Operator Phone	10	Text		✔			Numbers only. Should be 10-digits long (no less). Should not be null.	Phone number for the Owner or Operator.
1.6.c. Owner/Operator Street - Line 1 (Mailing Address)	35	Text		✔			Should not be null.	Line 1 of the business street mailing address for the Owner or Operator.
1.6.d. Owner/Operator Street - Line 2 (Mailing Address)	35	Text					None.	Line 2 of the business street mailing address for the Owner or Operator.
1.6.e. Owner/Operator City	19	Text		✔			Should not be null.	City for the business mailing address for the Owner or Operator.
1.6.f. Owner/Operator State	2	Text		✔			Restrict to list of Postal Service state abbreviations. Should not be null.	The U.S. Postal Service state abbreviation for the address of the Owner or Operator.
1.6.g. Owner/Operator ZIP Code	5	Text		✔			Numbers only. Should be 5-digits long (no less). Should not be null.	ZIP Code for the business mailing address of the Owner or Operator.
Owner/Operator ZIP four-digit extension code	4	Text					Numbers only. Should be 4-digits long (no less).	The four-digit extension code that represents the geographic segment that is a subunit of the ZIP Code and further refines the business mailing address of the Owner or Operator.
1.7 Responsibility for RMP Implementation								
1.7.a. Name of Person Responsible for RMP Implementation	35	Text					None.	Person or Position responsible for RMP implementation (40 CFR Part 68).
1.7.b.Title/Position of Person Responsible for RMP Implementation	35	Text		✔			Should not be null.	Title of person or position responsible for RMP implementation (40 CFR Part 68).

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
1.8 Emergency Contact								
1.8.a. Emergency Contact Name	35	Text		✔			Should not be null.	Name of person designated as the emergency contact for the facility.
1.8.b. Emergency Contact Title	35	Text		✔			Should not be null.	Title or job classification of the emergency contact.
1.8.c. Emergency Contact Phone	10	Text		✔			Numbers only. Should be 10-digits long (no less). Should not be null.	Phone number where the emergency contact can be reached during normal working hours.
1.8.d. 24-Hour Phone	10	Text		✔			Numbers only. Should be 10-digits long (no less). Should not be null.	Number where emergency contact can be reached during non-working hours, such as a beeper number.
1.8.e. 24-Hour Phone Extension/PIN	10	Text					None.	Phone extension or pager number for the 24-Hour Phone.
1.9 Other Points of Contact								
1.9.a. Facility or Parent Company E-mail Address	100	Text					None.	The text that represents the electronic mail (email) address for the facility or parent company.
1.9.b. Facility Public Contact Phone Number	10	Text					Numbers only. If provided should be 10-digits long (no less).	Facility phone number for public inquiries to contact owner, 112(r) person responsible, etc.
1.9.c. Facility or Parent Company WWW Homepage Address	100	Text					None.	Facility or Parent Company homepage web address.
1.10 LEPC	30	Text					None.	Local Emergency Planning Committee (LEPC) associated with the facility county. For LEPC information refer to the LEPC/SERC Net Web site at http://www.RTK.NET:80/lepc. Must cover all or part of the Facility County.
1.11 Number of Full Time Employees (FTEs)	5	Numeric		✔	✔		Between 0 and 99999 Should not be null.	Number of full-time equivalent employees.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
1.12 Covered by:								
1.12.a. Covered by: OSHA PSM	1	Text					Should be Y or N. Should not be null.	Occupational Safety and Health Act (OSHA) Process Safety Management (PSM) Standard. Question covers all processes at the facility; if any process at the facility is subject to OSHA PSM, must answer "Y" even if the PSM process is not covered by this Rule.
1.12.b. Covered by: EPCRA 302	1	Text					Should be Y or N. Should not be null.	EPCRA Section 302 pertains to the Extremely Hazardous Substances list. Any facility with a toxic regulated substance above the threshold quantity in a process is subject to EPCRA 302. If the facility is covered for only flammable regulated substances, the facility is not subject to 40 CFR 355 for those substances, although the facility may be for toxic substances not affected by this Rule.
1.12.c. CAA Title V	1	Text					Should be Y or N.	Indicate if your facility has a CAA Title V Operating Permit with "Y." CAA Title V Air Operating Permit ID Title V (Part 70) of the Clean Air Act (40CFR70) requires major sources of air pollution to obtain permits.
1.12.d. Air Operating Permit ID	15	Text						Unique identifier for a CAA Title V Air Operating Permit or state equivalent ID.
1.13 OSHA Star or Merit Ranking	1	Text					Should be Y or N.	A stationary source with a Star or Merit ranking under OSHA's voluntary protection program shall be exempt from audits under paragraph (b)(2) and (b)(7) of [Section 68.220 - audits].
1.14 Last Safety Inspection Date	8	Date	YYYYMMDD				Should be in the format YYYYMMDD and later than "19491231."	Date of last safety inspection, by an external Agency.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
1.15. Last Safety Inspection Performed by:	50	Text		✔			Should not be null.	A designation representing the external agency that performed the last safety inspection. One or more of the following is expected: OSHA State OSHA EPA State EPA Fire Department Never had a safety inspection Other
1.16 Will this RMP require Predictive Filing?	1	Text					Should be Y or N.	An indication that the submitter is using Predictive Filing for the facility's RMP.
RMP Description (Optional)	50	Text					None.	RMP Description is an optional description for the whole RMP. RMP Description is not accessible to RMP*Info on the Web.
No Reportable Accidents	1	Text					Should be Y or N.	Optional Flag to Indicate whether there are any accidents to report.
1.6.f. Foreign State or Province	35	Text		✔			None.	If the Owner or Operator (reported in 1.6.a) has an address outside the USA as his or her primary mailing address, enter the name of the foreign state or province. If the primary address is in the USA, or if there is no state or province in the foreign mailing address, leave this field blank.
1.6.h. Foreign Zip Code	14	Text					None.	If the Owner or Operator (reported in 1.6.a) has an address outside the USA as his or her primary mailing address, enter the International Postal Code that represents the address's postal zone. If the primary address is in the USA, or if there is no state or province in the foreign mailing address, leave this field blank.
1.6.g. Foreign Country	2	Text		✔			Restrict to list of country codes abbreviations.	If the Owner or Operator (reported in 1.6.a) has an address outside the USA as his or her primary mailing address, enter the foreign country's code representing the name of the foreign country. If the primary address is in the USA, leave this field blank.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
CBI Indicator Code	1	Text					Should be Y or N.	If number of full time employees (1.11) is claimed as CBI.
1.17 Section 1 Covered Processes For each covered process, you must report the chemical name(s), CAS number(s), quantity(ies), North American Industrial Classification System (NAICS) code(s), and Program Level. These elements have been structured for inclusion in the file as shown in the following tables. Chemical name, CAS number, and quantity may be claimed as confidential business information; doing so, however, requires submission of an unsanitized version of the RMP on paper, with a justification for each element claimed as CBI. If chemical name is claimed CBI, a generic chemical category must be reported instead.								
Covered Process Record The program level for each covered process must be reported.								
Record Identifier = S1PROCESS	9	Text				✔	Must be 'S1PROCESS'	Unique identifier for the Section 1 Covered Process record destination table. Generated by RMP*Submit and 3rd-party programs.
Process Identifier	4	Numeric				✔	Must be unique.	Unique number used to identify each process within the RMP. The same number will not necessarily be assigned to the same process for an RMP in a resubmission.
1.17.a Program level	1	Numeric		✔		✔	Must be a 1, 2, or 3. Must not be null.	Program category, (e.g., Program Level 1, 2, or 3), to identify with which program level the process complies.
CBI Indicator Code	1	Text					Should be Y or N.	If Process Record Contains CBI Data.
Process Description	25	Text					None.	Optional Process Description.
NAICS Codes Record The chemicals and NAICS codes for a given process are not directly related. (You may enter multiple NAICS Code Records when multiple NAICS codes exist for a process.)								
Record Identifier = S1PROCESSNAICS	14	Text				✔	Must be 'S1PROCESSNAICS'	Unique identifier for the Section 1 Process Chemical NAICS record destination table. Generated by RMP*Submit and 3rd-party programs.
Process NAICS Identifier	4	Numeric				✔	Must be unique.	Unique number used to identify each NAICS code within a covered process in an RMP. Generated by RMP*Submit and 3rd-party programs.
Process Identifier	4	Numeric				✔	Must come from Section 1.	Unique number used to identify each covered process in an RMP reported in Section 1. Generated by RMP*Submit and 3rd-party programs.
1.17.b. NAICS Code	6	Text		✔		✔	Returned valid NAICS code in table. Must not be null.	The 5- or 6-digit NAICS Code.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
1.17.c. Process Chemicals Record All chemicals in the process must be registered.								
Record Identifier = S1PROCESSCHEMICAL	17	Text				✔	Must be 'S1PROCESSCHEMICAL'	Unique identifier for the Section 1 Process Chemical record destination table. Generated by RMP*Submit and 3rd-party programs.
Process chemical identifier	4	Numeric				✔	Must be unique.	Unique number used to identify each chemical within a single RMP. Generated by RMP*Submit and 3rd-party programs.
Process Identifier	4	Numeric				✔	Must come from Section 1 Program Level for the Covered Process.	Unique number used to identify each covered process within an RMP from Section 1 Program Level for the Covered Process. Generated by RMP*Submit and 3rd-party programs.
1.17.c.1 Chemical Name	100	Text		✔	✔	✔	Must not be null. Restrict to list of flammable chemicals in the List Rule plus the choice "Flammable mixture," state chemicals, and generic chemical categories.	The name of the regulated chemical above the threshold quantity in a process at the source.
1.17.c.2 CAS Number	10	Text		✔	✔	✔	Must not be null. Restrict to list of flammable chemicals in the List Rule with the addition of a CAS number of 001111 for "Flammable Mixture," state chemicals, and a CAS number of 000000 for generic chemical categories.	Chemical Abstract Service (CAS) registry number for the chemical.
1.17.c.3 Quantity (lbs)	12	Numeric		✔	✔		Between 1 and 1 trillion minus 1.	The maximum inventory quantity of the regulated substance or mixture in the process in pounds.
CBI indicator code	1	Text					Should be Y or N.	An indication that the quantity was claimed as CBI.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
Section 1 Flammable Mixture Chemicals Record When reporting a flammable mixture, the components of the mixture must be identified.								
Record Identifier = S1FLAMIXCHEMICAL	16	Text				✔	Must be 'S1FLAMIXCHEMICAL'	Unique identifier for the Section 1 Flammable Mixture Chemicals record destination table. Generated by RMP*Submit and 3rd-party programs.
Process chemical identifier (flammable mixture)	4	Numeric		✔		✔	Must come from Section 1 Chemicals in Covered Process. Must not be null.	Unique number used to identify each chemical within a single RMP. Generated by RMP*Submit and 3rd-party programs.
Chemical name	100	Text		✔	✔	✔	Restrict to list of flammable chemicals in the List Rule or any State lists. Must not be null.	The name of the regulated flammable chemical above the threshold quantity in a process at the source.
CAS number	10	Text		✔	✔	✔	Restrict to list of flammable chemicals in the List Rule or any State lists. Must not be null.	Chemical Abstract Service (CAS) registry number for the flammable chemical.
SECTION 2. TOXICS WORST CASE Any facility registering a toxic substance in a Program Level 2 or Program Level 3 must report at least one worst-case scenario to represent all toxic substances in these processes. Any facility registering a Program Level 1 process must report one worst-case scenario for that process representing all regulated substances (toxic and flammable) held above a threshold in the process. Additional worst-case scenarios may be required by Federal, State, or local regulating agencies if worst-case releases from other processes affect different public receptors. You have the option of providing the file name of one map, diagram, or other graphic per reported worst-case scenario.								
Toxics Worst Case Record								
Record Identifier = S2TOXIC	7	Text				✔	Must be 'S2TOXIC'	Unique identifier for Section 2 Toxics Worst Case record destination table. Generated by RMP*Submit and 3rd-party programs.
2.1.a. Chemical								
Process Chemical Identifier	4	Numeric				✔	From Section 1 Chemicals in Covered Process.	Unique number used to identify each chemical in a process. From Section 1 Chemicals in Covered Process.
2.1.b. Percent weight of chemical in mixture	5	Numeric	xxx.x				Between .1 and 100, or null.	Percent weight of a toxic chemical in a mixture.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
2.2 Physical State Code 2.2.a. Gas 2.2.b. Liquid 2.2.c. Gas Liquified by Pressure 2.2.d. Gas Liquified by Refrigeration	1	Text		✔	✔		One of the following codes: a. Gas b. Liquid c. Gas Liquified by Pressure d. Gas Liquified by Refrigeration.	Code representing the physical state of the regulated chemical as it is released in the scenario.
2.3 Model Used	255	Text		✔			Should not be null.	The analytical basis for choosing the Toxics Worst Case Scenario. One of the following is expected: EPA's OCA Guidance Reference Tables or Equations; EPA's RMP Guidance for Ammonia Refrigeration Reference Tables or Equations; EPA's RMP Guidance for Wastewater Treatment Plants Reference Tables or Equations; EPA's RMP Guidance for Warehouses Reference Tables or Equations; EPA's RMP Guidance for Chemical Distributors Reference Tables or Equations; EPA's RMP*Comp (TM); Areal Locations of Hazardous Atmosphere [Aloha (R)]; Other Model Name.
2.4 Scenario 2.4.a. Gas Release 2.4.b. Liquid spill and vaporization	1	Text		✔	✔		One of the following codes: a. Gas release b. Liquid spill and vaporization.	A code representing the toxics worst case scenario.
2.5 Quantity released (lbs)	12	Numeric		✔	✔		Between 1 and 1 trillion minus 1.	The quantity of the chemical released in pounds during the worst case scenario.
2.6 Release rate (lbs/min)	10	Numeric	xxxxxxxx.x	✔	✔		Should be between 0.1 and 99999999.9	The release rate of the chemical in pounds per minute.
2.7 Release duration (min)	6	Numeric	xxxx.x	✔	✔		Should be between 0.1 and 9999.9	Indicate the length of time in minutes for the vessel, pipeline, or other location of the regulated substance to release all of its contents. For gasses, the duration is 10 minutes.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
2.8 Wind speed (m/sec)	5	Numeric	xxx.x	✔			Should not be Null. Should be 1.5 m/sec unless local variation can be justified. If not 1.5 m/sec, Should be between 0.1 and 100.	The wind speed in meters per second. This is 1.5 meters per second unless local meteorological data applicable to the source is used to show a higher minimum wind speed at all times during the last 3 years.
2.9 Atmospheric Stability Class	1	Text		✔			Should be a letter A - F. (Default to F.) Should not be null.	"F" unless local meteorological data can demonstrate otherwise.
2.10 Topography 2.10.a. Urban 2.10.b. Rural	1	Text		✔			One of the following: a. Urban b. Rural Should not be null.	A code representing whether the local topography is urban or rural.
2.11 Distance to endpoint (miles)	6	Numeric	xxx.xx	✔			Between 0.01 and 999.99 Should not be null.	The distance to the endpoint in miles for the chemical, using the endpoint specified for the chemical in Appendix A of the risk management program Rule.
2.12 Residential population within distance to endpoint	8	Numeric	xxxxxxxx	✔			Between 0 and 99999999 Should not be null.	Population within the distance to endpoint of the area encompassed by the endpoint. Need only include residential populations and may be rounded to two significant digits.
2.13 Public receptors within distance to endpoint (Select all that apply.)								
2.13.a. Public Receptors: Schools	1	Text					Should be Y or N.	Indication that a school is within the distance to the endpoint specified in the worst case scenario. Schools include: public and private elementary, secondary, and higher education schools.
2.13.b. Public Receptors: Residences	1	Text					Should be Y or N.	Indication that residences are within the distance to the endpoint specified in the worst case scenario.
2.13.c. Public Receptors: Hospitals	1	Text					Should be Y or N.	Indication that a hospital is within the distance to the endpoint specified in the worst case scenario.
2.13.d. Public Receptors: Prisons/Correction Facilities	1	Text					Should be Y or N.	Indication that a prison or correction facility is within the distance to the endpoint specified in the worst case scenario.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
2.13.e. Public Receptors: Recreation areas	1	Text					Should be Y or N.	Indication that a recreational area or arena is within the distance to the endpoint specified in the worst case scenario. These include stadiums, parks, and public pools.
2.13.f. Public Receptors: Commercial/industrial areas	1	Text					Should be Y or N.	Indication that a major commercial, office, or industrial area is within the distance to the endpoint specified in the worst case scenario. These include industrial parks, office buildings, shopping malls, commercial areas.
2.13.g. Public Receptors: Other	200	Text					None.	The type of public receptor if the public receptor is other than those listed in 2.13.a. through 2.13.f.
2.14 Environmental Receptors within distance to endpoint (Select all that apply.)								
2.14.a. Environmental Receptors: National/State Parks, Forests, Monuments	1	Text					Should be Y or N.	An indication that national or state parks, forests, or monuments are within a circle whose center is the point of the release and radius is determined by the distance to the endpoint.
2.14.b. Environmental Receptors: Wildlife Sanctuaries, Preserves, Refuges	1	Text					Should be Y or N.	An indication that officially designated wildlife sanctuaries, preserves, or refuges are within a circle whose center is the point of the release and radius is determined by the distance to the endpoint.
2.14.c. Environmental Receptors: Federal wilderness areas	1	Text					Should be Y or N.	An indication that federal wilderness areas are within a circle whose center is the point of the release and radius is determined by the distance to the endpoint.
2.14.d. Environmental Receptors: Other	200	Text					None.	The type of environmental receptor if the environmental receptor is other than those listed in 2.14.a. through 2.14.c.
2.15 Passive Mitigation Considered (Select all that apply.)								
2.15.a. Passive Mitigation: Dikes	1	Text					Should be Y or N.	An indication that a low wall that acts as a barrier to prevent a spill from spreading is in place.
2.15.b. Passive Mitigation: Enclosures	1	Text					Should be Y or N.	An indication that a physical containment of the release within a structure (e.g., a building) is in place.
2.15.c. Passive Mitigation: Berms	1	Text					Should be Y or N.	An indication that a mound or wall of earth at the top or bottom of a slope that prevents a spill from spreading is in place.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
2.15.d. Passive Mitigation: Drains	1	Text					Should be Y or N.	An indication that a channel that carries off surface water is in place.
2.15.e. Passive Mitigation: Sumps	1	Text					Should be Y or N.	An indication that a pit or tank that catches liquid runoff for drainage or disposal is in place.
2.15.f. Passive Mitigation: Other (specify)	200	Text					None.	The Passive Mitigation type considered if other than those listed above.
2.16 S2 Graphics File Name	12	Text					None.	The DOS file name for the toxics worst case graphic accompanying the scenario. Should be ".JPG," or ".GIF" with up to an 8-character prefix.
CBI Indicator Code	1	Text					Should be Y or N.	An indication that Confidential Business Information (CBI) was claimed for certain data elements in the record.
SECTION 3. TOXICS ALTERNATIVE RELEASE You must report at least one alternative release scenario for each toxic substance held above a threshold quantity in Program Level 2 or Program Level 3 processes. If the toxic substance is held in multiple processes, only one alternative release scenario is required for the substance. You have the option of providing the file name of one map, diagram, or other graphic per reported alternative release scenario.								
Toxics Alternative Release Record								
Record Identifier = S3TOXIC	7	Text				✔	Must be 'S3TOXIC'	Unique identifier for the Section 3 Toxics Alternative Release record destination table. Generated by RMP*Submit and 3rd-party programs.
3.1. Chemical								
Process Chemical Identifier	4	Numeric				✔	Must be from Section 1 Chemicals in Covered Process.	Unique number used to identify each chemical in a process from Section 1 Chemicals in Covered Process. Generated by RMP*Submit and 3rd-party programs.
3.1.b. Percent weight of chemical in mixture	5	Numeric	xxx.x				Between 0.1 and 100, or null.	Percent weight of the regulated substance in the chemical evaluated.
3.2 Physical State Code 3.2.a. Gas 3.2.b. Liquid 3.2.c. Gas liquified by pressure 3.2.d. Gas liquified by refrigeration	1	Text		✔	✔		One of the following codes: a. Gas b. Liquid c. Gas liquified by pressure d. Gas liquified by refrigeration.	Code representing the physical state of the toxic chemical as it is released in the scenario.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
3.3 Model Used:	255	Text		✔			Should not be null.	The analytical basis for choosing the Toxics Alternative Release Scenario. Users may add their own data source if it is not on the list. One of the following is expected: EPA's OCA Guidance Reference Tables or Equations; EPA's RMP Guidance for Ammonia Refrigeration Reference Tables or Equations; EPA's RMP Guidance for Wastewater Treatment Plants Reference Tables or Equations; EPA's RMP Guidance for Warehouses Reference Tables or Equations; EPA's RMP Guidance for Chemical Distributors Reference Tables or Equations; EPA's RMP*Comp (TM); Areal Locations of Hazardous Atmosphere [Aloha(R)]; Other Model Name.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
3.4 Scenario	200	Text		✔			Should not be null.	A description of the toxics alternative release scenario as follows: (a) Transfer hose failure is the failure of the connection between two or more vessels; (b) Pipe leak is the release through a rupture in a pipe; (c) Vessel leak is a release through a rupture in a vessel; (d) Overfilling is release due to filling a pipe, vessel, or other container past its capacity; (e) Ruptured disk/relief valve is a release due to failure of a rupture disk/relief valve to function properly. A rupture disk/relief valve is a valve that relieves pressure beyond a specified limit; a relief valve re-closes upon return to normal operating conditions; (f) Excess flow device failure is a release caused by the failure of excess flow device to function properly and prevent surges from reaching downstream equipment; and (g) any other scenario not in list. One of the following should be specified: Transfer hose failure; Pipe leak; Vessel leak; Overfilling; Rupture disk/relief; Valve failure; Excess flow device failure; Other (specify).
3.5 Quantity released (lbs)	12	Numeric		✔	✔		Between 1 and 1 trillion minus 1.	The quantity of the chemical released during the alternative release scenario in pounds.
3.6 Release rate (lb/min)	10	Numeric	xxxxxxxx.x	✔	✔		Between 0 and 99999999.9	The release rate in pounds per minute.
3.7 Release duration (min)	5	Numeric	xxxx.x	✔	✔		Between 0.1 and 9999.9	The a length of time in minutes for the vessel, pipeline, or other location of the regulated substance to release the quantity.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
3.8 Wind speed (m/sec)	5	Numeric	xxx.x	✔			Between 0.1 and 999.9 Should not be null.	The wind speed in meters per second. List 3 m/s if RMP Offsite Consequence Analysis (OCA) guidance is used. If scenario is modeled, indicate the average daily wind speed based on annual data collected at the local meteorological station.
3.9 Atmospheric Stability Class	1	Text		✔			Should be a letter: A - F. Should not be null.	A code (A through F) representing the average daily stability based on annual data collected at the site or local meteorological station. List "D," if OCA guidance is used. If scenario is modeled, use the average daily stability based on annual data collected at local meteorological station.
3.10 Topography	1	Text		✔			One of the following codes: a. Urban b. Rural Should not be null.	A code representing the topography of the area potentially impacted by the alternative release scenario.
3.11 Distance to endpoint (miles)	6	Numeric	xxx.xx	✔			Between 0.01 and 999.99 Should not be null.	The distance to the endpoint of the toxics alternative release scenario in miles using the endpoint specified for the chemical in Appendix A of the Risk Management Program Rule.
3.12 Residential population within distance to endpoint	8	Numeric	xxxxxxxx	✔			Between 0 and 99999999 Should not be null.	The residential population within the distance to endpoint potentially impacted by the toxics alternative release scenario.
3.13 Public receptors within distance to endpoint (Select all that apply.)								
3.13.a. Public Receptors: Schools	1	Text					Should be Y or N.	An indication that a school is within the distance to the endpoint specified in the alternative release scenario. Schools include public and private elementary, secondary, or higher education schools.
3.13.b. Public Receptors: Residences	1	Text					Should be Y or N.	An indication that residences are within the distance to the endpoint specified in the alternative release scenario.
3.13.c. Public Receptors: Hospitals	1	Text					Should be Y or N.	An indication that a hospital is within the distance to the endpoint specified in the alternative release scenario.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
3.13.d. Public Receptors: Prisons/Correction facilities	1	Text					Should be Y or N.	An indication that a prison or correction facility is within the distance to the endpoint specified in the alternative release scenario.
3.13.e. Public Receptors: Recreation areas	1	Text					Should be Y or N.	An indication that a recreational area or arena is within the distance to the endpoint specified in the alternative release scenario. These include stadiums, parks, and public pools.
3.13.f. Public Receptors: Commercial/industrial areas	1	Text					Should be Y or N.	An indication that a major commercial, office, or industrial area is within the distance to the endpoint specified in the alternative release scenario. These include industrial parks, office buildings, shopping malls, commercial areas.
3.13.g. Public Receptors: Other	200	Text					None.	The type of public receptor if the public receptor is other than those listed in 3.13.a. through 3.13.f.
3.14 Environmental Receptors within distance to endpoint (Select all that apply.)								
3.14.a. Environmental Receptors: National/State Parks, Forests, Monuments	1	Text					Should be Y or N.	An indication that national or state parks, forests, or monuments are within a circle whose center is the point of the release and radius is determined by the distance to the endpoint for the alternative release scenario.
3.14.b. Environmental Receptors: Wildlife Sanctuaries, Preserves, Refuges	1	Text					Should be Y or N.	An indication that officially designated wildlife sanctuaries, preserves, or refuges are within a circle whose center is the point of the release and radius is determined by the distance to the endpoint for the alternative release scenario.
3.14.c. Environmental Receptors: Federal wilderness areas	1	Text					Should be Y or N.	An indication that federal wilderness areas are within a circle whose center is the point of the release and radius is determined by the distance to the endpoint for the alternative release scenario.
3.14.d. Environmental Receptors: Other	200	Text					None.	The type of environmental receptor if the environmental receptor is other than those listed in 3.14.a. through 3.14.c.
3.15 Passive Mitigation Considered (Select all that apply.)								
3.15.a. Passive Mitigation: Dikes	1	Text					Should be Y or N.	An indication that a low wall that acts as a barrier to prevent a spill from spreading is in place.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
3.15.b. Passive Mitigation: Enclosures	1	Text					Should be Y or N.	An indication that a physical containment of the release within a structure (e.g., a building) is in place.
3.15.c. Passive Mitigation: Berms	1	Text					Should be Y or N.	An indication that a mound or wall of earth at the top or bottom of a slope that prevents a spill from spreading is in place.
3.15.d. Passive Mitigation: Drains	1	Text					Should be Y or N.	An indication that a channel that carries off surface water is in place.
3.15.e. Passive Mitigation: Sumps	1	Text					Should be Y or N.	An indication that a pit or tank that catches liquid runoff for drainage or disposal is in place.
3.15.f. Passive Mitigation: Other (specify)	200	Text					None.	The type of Passive Mitigation in place if the passive mitigation is other than those listed in 3.15.a. through 3.15.e.
3.16 Active Mitigation Considered (Select all that apply.)								
3.16.a. Active Mitigation: Sprinkler systems	1	Text					Should be Y or N.	A system for protecting a building against fire by means of overhead pipes which convey an extinguishing fluid through heat activated outlets.
3.16.b. Active Mitigation: Deluge systems	1	Text					Should be Y or N.	A system to overflow an area of a release with water or other extinguishing fluid.
3.16.c. Active Mitigation: Water curtain	1	Text					Should be Y or N.	A spray of water from a horizontal pipe through nozzles, the curtain may be activated manually or automatically.
3.16.d. Active Mitigation: Neutralization	1	Text					Should be Y or N.	Making a toxic chemical harmless through chemical reaction.
3.16.e. Active Mitigation: Excess flow valve	1	Text					Should be Y or N.	A system for diverting overflow.
3.16.f. Active Mitigation: Flares	1	Text					Should be Y or N.	A device for disposing of combustible gases from a chemical process by burning them in the open.
3.16.g. Active Mitigation: Scrubbers	1	Text					Should be Y or N.	A pre-release protection measure that uses water or aqueous mixtures containing scrubbing reagents to remove discharging liquids and possibly also treating the discharging chemical.
3.16.h. Active Mitigation: Emergency shutdown	1	Text					Should be Y or N.	Controls that are triggered when process limits are exceeded and that shut down that process.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
3.16.i. Active Mitigation: Other (specify)	200	Text					None.	The type of active mitigation in place if other than those listed in 3.16.a. through 3.16.h.
3.17 S3 Graphics file name	12	Text					None.	The DOS file name of the graphic file for the toxics alternative release scenario. Should be ".JPG," or ".GIF" with up to an 8-character prefix.
CBI Indicator Code	1	Text					Should be Y or N.	An indication that Confidential Business Information (CBI) was claimed for certain data elements in the record.
SECTION 4. FLAMMABLES WORST CASE Any facility registering a flammable substance in a Program Level 2 or Program Level 3 process must report at least one worst-case scenario to represent all flammable substances in these processes. Any facility registering a Program Level 1 process must report one worst-case scenario for that process representing all regulated substances (toxic and flammable) held above the threshold in the process. Additional worst-case scenarios may be required by Federal, State, or local regulating agencies if worst-case releases from other processes affect different public receptors. You have the option of providing the file name of one map, diagram, or other graphic per reported worst-case scenario.								
Flammables Worst Case								
Record Identifier = S4FLAMMABLES	12	Text				✔	Must be 'S4FLAMMABLES'	Unique identifier for the flammables worst case record destination table. Generated by RMP*Submit and 3rd-party programs.
4.1 Chemical								
Process Chemical Identifier	4	Numeric				✔	Must be from Section 1 Flammable Mixture Chemicals or Section 1 Chemicals in Covered Process.	Unique number used to identify each chemical in a process. Generated by RMP*Submit and 3rd-party programs.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
4.2 Model Used:	255	Text		✔			Should not be null.	The analytical basis for choosing the Flammables Worst Case Scenario. One of the following should be specified: EPA's OCA Guidance Reference Tables or Equations; EPA's RMP Guidance for Propane Storage Reference Tables or Equations; EPA's RMP Guidance for Wastewater Treatment Plants Reference Tables or Equations; EPA's RMP Guidance for Warehouses Reference Tables or Equations; EPA's RMP Guidance for Chemical Distributors Reference Tables or Equations; EPA's RMP*Comp (TM); Other Model Name.
4.4 Quantity released (lbs)	12	Numeric		✔	✔		Between 1 and 1 trillion minus 1.	The quantity of the flammable chemical released in pounds.
4.6 Distance to endpoint (miles)	6	Numeric	xxx.xx	✔			Between 0.01 and 999.99 Should not be null.	The distance to the end of the impact zone for the flammables worst case scenario.
4.7 Residential population within distance to endpoint	8	Numeric	xxxxxxxx	✔			Between 0 and 99999999 Should not be null.	The population within the distance to endpoint potentially impacted by the worst case scenario.
4.8 Public Receptors within distance to endpoint (Select all that apply.)								
4.8.a. Public Receptors: Schools	1	Text					Should be Y or N.	An indication that a school is within the distance to the endpoint specified in the worst case scenario. Schools include: public and private elementary, secondary, or higher education schools.
4.8.b. Public Receptors: Residences	1	Text					Should be Y or N.	An indication that residences are within the distance to the endpoint specified in the worst case scenario.
4.8.c. Public Receptors: Hospitals	1	Text					Should be Y or N.	An indication that a hospital is within the distance to the endpoint specified in the worst case scenario.
4.8.d. Public Receptors: Prisons/Correction facilities	1	Text					Should be Y or N.	An indication that a prison or correction facility is within the distance to the endpoint specified in the worst case scenario.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
4.8.e. Public Receptors: Recreation areas	1	Text					Should be Y or N.	An indication that a recreational area or arena is within the distance to the endpoint specified in the worst case scenario. These include stadiums, parks, and public pools.
4.8.f. Public Receptors: Commercial/industrial areas	1	Text					Should be Y or N.	An indication that a major commercial, office, or industrial area is within the distance to the endpoint specified in the worst case scenario. These include industrial parks, office buildings, shopping malls, commercial areas.
4.8.g. Public Receptors: Other	200	Text					None.	The type of public receptor if the public receptor is other than those listed in 4.8.a through 4.8.f.
4.9 Environmental Receptors within distance to endpoint (Select all that apply.)								
4.9.a. Environmental Receptors: National/State Parks, Forests, Monuments	1	Text					Should be Y or N.	An indication that national or state parks, forests, or monuments are within a circle whose center is the point of the release and radius is determined by the distance to the endpoint.
4.9.b. Environmental Receptors: Wildlife sanctuaries, Preserves, Refuges	1	Text					Should be Y or N.	An indication that officially designated wildlife sanctuaries, preserves, or refuges are within a circle whose center is the point of the release and radius is determined by the distance to the endpoint.
4.9.c. Environmental Receptors: Federal wilderness areas	1	Text					Should be Y or N.	An indication that federal wilderness areas are within a circle whose center is the point of the release and radius is determined by the distance to the endpoint.
4.9.d. Environmental Receptors: Other	200	Text					None.	The type of environmental receptor if the environmental receptor is other than those listed in 4.9.a. through 4.9.c.
4.10 Passive mitigation considered (Select all that apply.)								
4.10.a. Passive Mitigation: Blast walls	1	Text					Should be Y or N.	An indication that a heavy wall used to isolate buildings or areas that contain highly combustible or explosive materials is in place.
4.10.b. Passive Mitigation: Other (specify)	200	Text					None.	The type of the passive mitigation considered if other than 4.10.a.
4.11 S4 Graphics file name	12	Text					None.	The DOS file name of the graphic file for the flammables worst case scenario. Should be "JPG" or ".GIF" with up to an 8-character prefix.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
CBI indicator code	1	Text					Should be Y or N.	An indication that Confidential Business Information (CBI) was claimed for certain data elements in the record.
SECTION 5. FLAMMABLES ALTERNATIVE RELEASE You must report at least one alternative release scenario to represent all flammable regulated substances held above a threshold quantity in Program Level 2 or Program Level 3 processes. You have the option of providing the file name of one map, diagram, or other graphic per reported alternative release scenario.								
Flammables Alternative Release Record								
Record Identifier = S5FLAMMABLES	12	Text				✔	Must be 'S5FLAMMABLES'	Unique identifier for the Flammables Alternative Release record. Generated by RMP*Submit and 3rd-party programs.
5.1 Chemical								
Process Chemical Identifier	4	Numeric				✔	From Section 1 Flammable Mixture Chemicals or Section 1 Chemicals in Covered Process.	From Section 1 Chemicals in Covered Process, the Process Chemical Identifier is a number unique to the chemical that is being reported and is used to identify each chemical within a process. Generated by RMP*Submit and 3rd-party programs.
5.2 Model Used:	255	Text		✔			Should not be null.	The analytical basis for choosing the Flammables Alternative Release Scenario. One of the following is expected: EPA's OCA Guidance Reference Tables or Equations; EPA's RMP Guidance for Propane Storage Reference Tables or Equations; EPA's RMP Guidance for Wastewater Treatment Plants Reference Tables or Equations; EPA's RMP Guidance for Warehouses Reference Tables or Equations; EPA's RMP Guidance for Chemical Distributors Reference Tables or Equations; EPA's RMP*Comp (TM); Other Model Name.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
5.3 Scenario	200	Text		✔	✔		None.	The type of flammable release scenario. One of the following should be specified: Vapor cloud explosion; Fireball; BLEVE; Pool fire; Jet fire; Vapor cloud fire; Other (specify).
5.4 Quantity released (lbs)	12	Numeric		✔	✔		Between 1 and 1 trillion minus 1.	The quantity of the flammable chemical released in pounds.
5.5 Endpoint used	30	Text		✔			One of the following: a. "1 PSI" if S5Scenario is 1 (Vapor Cloud Explosion) b. "5 kw/m^2 for 40 secs" if S5Scenario is 2 (Fireball) c. "Lower flammability limit." Should not be null.	The endpoint of the flammable reaction - "1 PSI" or "5 kw/m^2 for 40 seconds" or "Lower flammability limit."
5.5.c. Lower flammability limit value (specify)	4	Numeric	xx.x		✔		Between 0 and 99.9, if 5.5 is "lower flammability limit."	The lower flammability limit in units of percent volume.
5.6 Distance to endpoint (miles)	6	Numeric	xxx.xx	✔			Between 0.01 and 999.99 Should not be null.	The distance impacted by the flammable release in miles.
5.7 Residential population within distance to endpoint	8	Numeric	xxxxxxxx	✔			Between 0 and 99999999 Should not be null.	The population within the distance to endpoint potentially impacted by the alternative release.
5.8 Public receptors within distance to endpoint (Select all that apply.)								
5.8.a. Public receptors: Schools	1	Text					Should be Y or N.	An indication that a school is within the distance to the endpoint specified in the alternative release scenario. Schools include: public and private elementary, secondary, and higher education schools.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
5.8.b. Public receptors: Residences	1	Text					Should be Y or N.	An indication that residences are within the distance to the endpoint specified in the alternative release scenario.
5.8.c. Public receptors: Hospitals	1	Text					Should be Y or N.	An indication that a hospital is within the distance to the endpoint specified in the alternative release scenario.
5.8.d. Public receptors: Prisons/Correction facilities	1	Text					Should be Y or N.	An indication that a prison or correction facility is within the distance to the endpoint specified in the alternative release scenario.
5.8.e. Public receptors: Recreation areas	1	Text					Should be Y or N.	An indication that a recreational area or arena is within the distance to the endpoint specified in the alternative release scenario. These include stadiums, parks, and public pools.
5.8.f. Public receptors: Commercial/industrial areas	1	Text					Should be Y or N.	An indication that a major commercial, office, or industrial area is within the distance to the endpoint specified in the alternative release scenario. These include industrial parks, office buildings, shopping malls, and commercial areas.
5.8.g. Public Receptors: Other	200	Text					None.	The type of public receptor if the public receptor is other than those listed in 5.8.a. through 5.8.f.
5.9 Environmental receptors within distance to endpoint (Select all that apply.)								
5.9.a. Environmental receptors: National/State Parks	1	Text					Should be Y or N.	An indication that national or state parks, forests, or monuments are within a circle whose center is the point of the release and radius is determined by the distance to the endpoint.
5.9.b. Environmental receptors: Wildlife sanctuary	1	Text					Should be Y or N.	An indication that officially designated wildlife sanctuaries, preserves, or refuges are within a circle whose center is the point of the release and radius is determined by the distance to the endpoint.
5.9.c. Environmental receptors: Federal wilderness	1	Text					Should be Y or N.	An indication that federal wilderness areas are within a circle whose center is the point of the release and radius is determined by the distance to the endpoint.
5.9.d. Environmental Receptors: Other	200	Text					None.	The type of environmental receptor if the environmental receptor is other than those listed in 5.9.a. through 5.9.c.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
5.10 Passive mitigation considered (Select all that apply.)								
5.10.a. Passive mitigation: Dikes	1	Text					Should be Y or N.	An indication that a low wall that acts as a barrier to prevent a spill from spreading is in place.
5.10.b. Passive mitigation: Fire walls	1	Text					Should be Y or N.	An indication that a wall constructed to prevent the spread of fire is in place.
5.10.c. Passive mitigation: Blast walls	1	Text					Should be Y or N.	An indication that a heavy wall used to isolate buildings or areas that contain highly combustible or explosive materials is in place.
5.10.d. Passive mitigation: Enclosures	1	Text					Should be Y or N.	An indication that a type of physical containment of the release within a structure (e.g., a building) is in place.
5.10.e. Passive mitigation: Other (specify)	200	Text					None.	The type of the passive mitigation considered if other than those listed in 5.10.a. through 5.10.d.
5.11 Active mitigation considered (Select all that apply.)								
5.11.a. Active Mitigation: Sprinkler Systems	1	Text					Should be Y or N.	An indication that a system for protecting against fire by means of overhead pipes which convey an extinguishing fluid through heat activated outlets was considered.
5.11.b. Active Mitigation: Deluge Systems	1	Text					Should be Y or N.	An indication that a system to overflow an area of a release with water or other extinguishing fluid was considered.
5.11.c. Active Mitigation: Water curtain	1	Text					Should be Y or N.	An indication that a spray of water from a horizontal pipe through nozzles was considered. The curtain may be activated manually or automatically.
5.11.d. Active Mitigation: Excess flow valve	1	Text					Should be Y or N.	An indication that a system for diverting overflow was considered.
5.11.e. Active Mitigation: Other (specify)	200	Text					None.	The type of active mitigation considered if other than those listed in 5.11.a through 5.11.d.
5.12 S5 Graphics file name	12	Text					None.	The file name of the graphics file for the flammable alternative release scenario. Should be ".JPG," or ".GIF" with up to an 8-character prefix.
CBI indicator code	1	Text					Should be Y or N.	An indication that Confidential Business Information (CBI) was claimed for certain data elements in the record.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
SECTION 6. FIVE-YEAR ACCIDENT HISTORY You must complete an Accident History for every accidental release, within the last 5 years (as of the date of submission of the RMP), involving a regulated substance held above a threshold quantity in a covered process if that release resulted in deaths, injuries, property damage onsite, or known offsite deaths, injuries, property damage, or environmental damage, evacuations, or shelterings-in-place.								
Five-Year Accident History Although all accident history data is excluded from CBI protection, the facility may want to withhold certain data that is the subject of on-going litigation. These data elements are indicated as CBI.								
Record Identifier = S6ACCIDENTHISTORY	17	Text				✔	Must be 'S6ACCIDENTHISTORY'	Unique identifier for the Five-year Accident History record. Generated by RMP*Submit and 3rd-party programs.
Accident History Identifier	4	Numeric				✔	Must be unique.	Unique identifier for the Five-year Accident History record. Generated by RMP*Submit and 3rd-party programs.
6.1 Date of accident	8	Date	YYYYMMDD	✔		✔	Must be in the format YYYYMMDD. Must not be null.	Date of the accident.
6.2 Time accident began	4	Text	HHMM	✔			Should be HHMM. Should not be null.	Time of the accident (Military Time).
6.3 NAICS code of process involved	6	Text		✔			Should be NAICS code from Section 1. Should not be null.	The 5- or 6- digit NAICS code.
6.4 Release duration	5	Text	HHHMM	✔	✔		Should be HHHMM.	Approximate length of time of the release in hours and minutes.
6.6 Release event (One of the following must be "Yes.")				✔				
6.6.a. Release event: Gas release	1	Text					Should be Y or N.	Release of the substance in a vapor state.
6.6.b. Release event: Liquid spill/evaporation	1	Text					Should be Y or N.	Release of the substance in a liquid state with subsequent vaporization.
6.6.c. Release event: Fire	1	Text					Should be Y or N.	Product (e.g., fuel) in a state of combustion.
6.6.d. Release event: Explosion	1	Text					Should be Y or N.	Rapid chemical reaction with the production of noise, heat, and violent expansion of gases.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
6.7 Release source (One of the following must be "Yes," or "Other"must be specified.)				✔				
6.7.a. Release source: Storage vessel	1	Text					Should be Y or N.	Container for storing, holding, or transporting a liquid.
6.7.b. Release source: Piping	1	Text					Should be Y or N.	System of pipes used to carry a fluid.
6.7.c. Release source: Process vessel	1	Text					Should be Y or N.	Container in which regulated substances are blended to form a mixture or reacted to convert them into some other final product or form.
6.7.d. Release source: Transfer hose	1	Text					Should be Y or N.	Connection between two or more vessels.
6.7.e. Release source: Valve	1	Text					Should be Y or N.	Structure that closes temporarily a passage or permits movement of fluid in one direction only.
6.7.f. Release source: Pump	1	Text					Should be Y or N.	Device that raises, transfers, or compresses fluids or that attenuates gases by suction or pressure or both.
6.7.g. Release source: Joint	1	Text					Should be Y or N.	The surface at which two or more mechanical components are united.
6.7.h. Release source: Other (specify)	200	Text					Should be non-blank if 6.7.a. - 6.7.g. are N.	The release source name when the source of the release is other than those listed in 6.7.a through 6.7.g.
6.8 Weather conditions at time of event (Must select at least one.)				✔				
6.8.a.i. Weather Conditions: Wind speed	5	Numeric	xxx.x				Between 0.1 and 999.9	An estimate of how fast the wind is traveling.
6.8.a.ii Weather Conditions: Wind speed unit	1	Text					One of the following codes: a. miles/h b. knots c. meters/second	Unit code for wind speed.
6.8.a.iii Weather Conditions: Wind direction	3	Text					Acceptable values are standard 3 character (maximum) compass directions: N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW.	Direction from which the wind comes using standard compass reading.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
6.8.b. Weather Conditions: Temperature	3	Numeric	xxx				Between -99 and 999	The ambient temperature at the scene of the accident in degrees Fahrenheit.
6.8.c. Weather Conditions: Atmospheric Stability Class	1	Text					Should be A - F or null.	A general indication of the degree of mixing present in the atmosphere accounting for wind speed and sunlight, where "A" represents extremely unstable conditions and "F" represents calm conditions.
6.8.d. Weather Conditions: Precipitation present	1	Text					Should be Y or N.	An indicator of whether precipitation was present at the time of the accident.
6.8.e. Weather Conditions: Unknown weather conditions	1	Text					Should be Y or N; "N" if any of: Weather, Wind Speed, Wind Direction, Temperature, Stability Class, or Precipitation are populated.	A flag indicating the weather conditions at the time of the accident are unknown.
6.9 On-site impacts								
6.9.a. On-site impacts: Deaths								
6.9.a.i. On-site impacts: Deaths: Worker/contractor	5	Numeric		✔	✔		Between 0 and 99999	The number of workers or contractors killed onsite during the accident or performing any mitigation activities.
6.9.a.ii. On-site impacts: Deaths: Public responders	3	Numeric		✔	✔		Between 0 and 999	The number of public responders killed onsite during the accident or performing any mitigation activities.
6.9.a.iii. On-site impacts: Deaths: Public	5	Numeric		✔	✔		Between 0 and 99999	The number of public killed onsite during the accident or performing any mitigation activities.
6.9.b. On-site impacts: Injuries								
6.9.b.i. On-site impacts: Injuries: Workers/contractors	5	Numeric		✔	✔		Between 0 and 99999	The number of workers or contractors injured onsite during the accident or performing any mitigation activities.
6.9.b.ii. On-site impacts: Injuries: Public responders	3	Numeric		✔	✔		Between 0 and 999	The number of public responders injured onsite during the accident or performing any mitigation activities.
6.9.b.iii. On-site impacts: Injuries: Public	5	Numeric		✔	✔		Between 0 and 99999	The number of public injured onsite during the accident or performing any mitigation activities.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
6.9.c. On-site impacts: Property damage	12	Numeric		✔	✔		Between 0 and one trillion minus 1.	Value of the equipment or business structures that were damaged by the accident or mitigation activities at the facility, in whole U.S. dollars.
6.10 Known off-site impacts								
6.10.a. Known off-site impacts: Deaths	8	Numeric	xxxxxxxx	✔	✔		Between 0 and 99999999	The number of offsite deaths attributable to the accident.
6.10.b. Known off-site impacts: Hospitalizations	8	Numeric		✔	✔		Between 0 and 99999999	The total number of injuries to the community attributable to the accident that required hospitalization.
6.10.c. Known off-site impacts: Other medical treatment	8	Numeric		✔	✔		Between 0 and 99999999	The number of injuries to the community that required medical treatment, not including first aid.
6.10.d. Known off-site impacts: Evacuated	8	Numeric		✔	✔		Between 0 and 99999999	The number of people evacuated.
6.10.e. Known off-site impacts: Sheltered-in-place	8	Numeric		✔	✔		Between 0 and 99999999	Number of community members sheltered-in-place (ordered by the incident commander to remain inside their residence or place of work until the emergency is over).
6.10.f. Known off-site impacts: Property damage ($)	12	Numeric		✔	✔		Between 0 and one trillion minus 1.	Estimated value of the off-site property damage, in whole American dollars, caused by the accident, including damage to response equipment.
6.10.g. Known off-site impacts: Environmental damage (Select all that apply.)								
6.10.g.1. Known off-site impacts: Environmental damage: Fish or animal kills	1	Text			✔		Should be Y or N.	An indication that the type of environmental damage that occurred involved fish or animal kills.
6.10.g.2. Known off-site impacts: Environmental damage: Tree, lawn, shrub, or crop damage	1	Text			✔		Should be Y or N.	An indication that the type of environmental damage that occurred involved tree, lawn, shrub, or crop damage.
6.10.g.3. Known off-site impacts: Environmental damage: Water contamination	1	Text			✔		Should be Y or N.	An indication that the type of environmental damage that occurred involved water contamination.
6.10.g.4. Known off-site impacts: Environmental damage: Soil Contamination	1	Text			✔		Should be Y or N.	An indication that the type of environmental damage that occurred involved soil contamination.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
6.10.g.5. Known off-site impacts: Environmental damage: Other (specify)	200	Text			✔		None.	The name of the other type of environmental damage that occurred if other than those listed in 6.10.g.1 through 6.10.g.4.
6.11 Initiating event:	1	Text		✔	✔		Should be one of the following codes: a. Equipment failure b. Human error c. Natural (weather conditions, earthquake) d. Unknown	A code representing the initiating event that describes the cause of the accident (if known). Weather conditions may include lightning, hail, ice storms, tornados, hurricanes, floods, or high winds.
6.12 Contributing factors (Select all that apply.)								
6.12.a. Contributing factors: Equipment failure	1	Text			✔		Should be Y or N.	A device or piece of equipment did not function as designed thereby allowing a substance to be released.
6.12.b. Contributing factors: Human error	1	Text			✔		Should be Y or N.	An operator performs an operation improperly or makes a mistake resulting in a release.
6.12.c. Contributing factors: Improper procedure	1	Text			✔		Should be Y or N.	The procedure did not reflect the current method of operation, the procedure omitted steps that affected the accident, or the procedure was written in a manner that allowed for misinterpretation of the instructions.
6.12.d. Contributing factors: Overpressurization	1	Text			✔		Should be Y or N.	The process was operated at pressures exceeding the design working pressure.
6.12.e. Contributing factors: Upset condition	1	Text			✔		Should be Y or N.	Release caused by incorrect process conditions (e.g., increased temperature or pressure).
6.12.f. Contributing factors: By-pass condition	1	Text			✔		Should be Y or N.	A pipe or channel that provides an alternative pathway that detours the main pathway fails releasing a substance.
6.12.g. Contributing factors: Maintenance activity/inactivity	1	Text			✔		Should be Y or N.	Any failure that occurs because of maintenance activity or inactivity.
6.12.h. Contributing factors: Process design failure	1	Text			✔		Should be Y or N.	Any failure that occurs because of an inherent flaw in the design of the process.
6.12.i. Contributing factors: Unsuitable equipment	1	Text			✔		Should be Y or N.	The equipment used was incorrect for the process.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
6.12.j. Contributing factors: Unusual weather condition	1	Text			✔		Should be Y or N.	Weather conditions, such as lightning, hail, ice storms, tornados, hurricanes, floods, or high winds caused the accident.
6.12.k. Contributing factors: Management error	1	Text			✔		Should be Y or N.	This may be used to describe failures that occur because management did not exercise its managerial control to prevent the situation from occurring. This is usually used to describe faulty procedures, inadequate training, or failure to follow existing administrative procedures.
6.12.l. Contributing factors: Other (specify)	200	Text			✔		None.	A description of the factor that contributed to the accident occurring if other than those listed in 6.12.a. through 6.12.k.
6.13 Offsite responders notified	25	Text		✔			Should not be null.	Indication of whether agencies were contacted: Notified only Notified Responded No, not notified Unknown Users may add their own data if it is not on the list.
6.14 Changes introduced as a result of the accident (Must select at least one or "Other" must be specified.) ✔								
6.14.a. Changes introduced as a result of the accident: Improved/upgraded equipment	1	Text					Should be Y or N.	A device or piece of equipment that did not function as designed was repaired or replaced.
6.14.b. Changes introduced as a result of the accident: Revised maintenance	1	Text					Should be Y or N.	Maintenance processes were clarified or changed to ensure employees and contract employees are aware of and are practicing correct safety, process, and administrative procedures.
6.14.c. Changes introduced as a result of the accident: Revised training	1	Text					Should be Y or N.	Training programs were clarified or changed to ensure that employees and contract employees are aware of and are practicing correct safety, process, and administrative procedures.
6.14.d. Changes introduced as a result of the accident: Revised operating procedures	1	Text					Should be Y or N.	Operating procedures were clarified or changed to ensure that employees and contract employees are trained on process operating procedures.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
6.14.e. Changes introduced as a result of the accident: New process controls	1	Text					Should be Y or N.	New process designs and controls were installed to correct problems and prevent recurrence of an accidental release.
6.14.f. Changes introduced as a result of the accident: New mitigation systems	1	Text					Should be Y or N.	New mitigation systems were initiated to limit accidental releases.
6.14.g. Changes introduced as a result of the accident: Revised emergency response plan	1	Text					Should be Y or N.	The emergency response plan was revised.
6.14.h. Changes introduced as a result of the accident: Changed process	1	Text					Should be Y or N.	An indication that the process was changed.
6.14.i. Changes introduced as a result of the accident: Reduced inventory	1	Text					Should be Y or N.	An indication that Inventory was reduced at the source to prevent accidental release.
6.14.j. Changes introduced as a result of the accident: None	1	Text					Should be Y or N.	An indication that none of the measures were taken at the facility to prevent recurrence of the accident.
6.14.k. Changes introduced as a result of the accident: Other (specify)	200	Text					Should be Non-blank if 6.14.a through 6.14.j are N.	The name of the change introduced if other than one of the choices listed above.
CBI Indicator Code	1	Text					Should be Y or N.	An indication that Confidential Business Information (CBI) was claimed for certain data elements in the record.
Accident Chemicals Record								
Record Identifier = S6ACCIDENTCHEMICALS	19	Text				✔	Must be 'S6ACCIDENTCHEMICALS'	Unique identifier for the Accident Chemicals record destination table. Generated by RMP*Submit and 3rd-party programs.
Accident Chemical ID	4	Numeric				✔	Must not be null.	Unique identifier for each Accident History chemical. Generated by RMP*Submit and 3rd-party programs.
Accident History Identifier	4	Numeric				✔	From Section 6 Five-Year Accident History.	Unique identifier for each Accident History record. Generated by RMP*Submit and 3rd-party programs.
6.5.a. Chemical name	100	Text		✔	✔	✔	Restrict to list of chemicals in the List Rule, state chemicals, generic categories, and flammable mixtures.	Name of Accident History chemical released.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
CAS number	10	Text		✔	✔	✔	Restrict to list of chemicals in the List Rule, state chemicals, generic categories, and flammable mixtures.	Chemical Abstract Service (CAS) registry number for the chemical released.
6.5.b. Quantity released	12	Numeric		✔	✔		Between 1 and 1 trillion minus 1.	The amount of the chemical released in pounds.
6.5.c. Percent weight of chemical in release (toxic only)	5	Numeric	xxx.x				Null or between 0.1 and 100.	Percent weight of chemical in release. This applies to toxic chemicals only.
Accident Flammable Mixture Chemicals Record								
Record Identifier = S6FLAMIXCHEMICAL	16	Text				✔	Must be "S6FLAMIXCHEMICAL"	Unique identifier for the Accident Flammable Mixture Chemical record. Generated by RMP*Submit and 3rd-party programs.
Accident Chemical ID	4	Numeric				✔	Must not be null.	Unique identifier for each Accident History flammable mixture chemical. Generated by RMP*Submit and 3rd-party programs.
Chemical Name	100	Text		✔		✔	Restrict to list of flammable chemicals in the List Rule or any State lists. Must not be null.	Name of accident flammable mixture chemical released.
CAS Number	10	Text		✔		✔	Restrict to list of flammable chemicals in the List Rule or any State lists. Must not be null.	Chemical Abstract Service (CAS) registry number for the flammable mixture chemical released.
SECTION 7. PREVENTION PROGRAM LEVEL 3 For each Program Level 3 process, you must complete one Program Level 3 prevention program. Each Program Level 3 process identified in Section 1 must be associated with one or more Program Level 3 prevention programs in Section 7.								
Prevention Program 3 Record								
Record Identifier = S7PP3	5	Text				✔	Must be 'S7PP3'	Unique identifier of the Prevention Program 3 record. Generated by RMP*Submit and 3rd-party programs.
Prevention Program Level 3 Identifier	4	Numeric				✔	Must not be null.	A unique number used to identify each prevention program within a NAICS code within a process. Generated by RMP*Submit and 3rd-party programs.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
7.1 NAICS								
Process NAICS Identifier	4	Numeric				✔	Must be valid process NAICS identifier from Section 1 Process NAICS.	A number from Section 1 Process NAICS. Generated by RMP*Submit and 3rd-party programs.
7.3 Date on which safety information was last reviewed/revised	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD.	Date on which safety information was last reviewed or revised.
7.4 Process Hazard Analysis (PHA)								
7.4.a. Date last PHA/update	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD. Should not be null.	Date of completion of the most recent Process Hazard Analysis (PHA) or update.
7.4.b PHA technique used:(Must select at least one.)				✔				
7.4.b.1. PHA technique used: What If	1	Text					Should be Y or N.	A What If analysis considers the consequences associated with events that occurred as a result of failures involving equipment, design, or procedures.
7.4.b.2. PHA technique used: Checklist	1	Text					Should be Y or N.	This technique involves developing a checklist of failure areas and reviewing each area to determine the possible effects of failure.
7.4.b.3. PHA technique used: What If/Checklist (combined)	1	Text					Should be Y or N.	This technique combines the What If and checklist analysis techniques to identify and evaluate process hazards.
7.4.b.4. PHA technique used: HAZOP	1	Text					Should be Y or N.	Hazard and Operability Studies (HAZOPs) are conducted by teams that brainstorm to systematically identify hazards or operability problems through the use of certain guidewords.
7.4.b.5. PHA technique used: Failure mode and effects analysis	1	Text					Should be Y or N.	This is a methodology of tabulating the source's equipment, failure modes (how equipment fails), each failure mode's effect on the source, and a ranking of each failure mode.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
7.4.b.6. PHA technique used: Fault tree analysis	1	Text					Should be Y or N.	This is a deductive technique that focuses on one particular accident event and provides a method for determining causes of the event. The fault tree is a graphic model that displays the various combinations of equipment faults and failures that can result in a release.
7.4.b.7. PHA technique used: Other (specify)	200	Text					Should be non-blank if 7.4.b.1 - 7.4.b.6 are N.	The name of the PHA technique used if other than 7.4.b.1 through 7.4.b.6.
7.4.c. Expected or actual date of completion of all changes resulting from PHA	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD.	The expected or actual date of completion of all changes recommend by the PHA.
7.4.d. Major hazards identified (Must select at least one.)				✔				
7.4.d.1. Major hazards identified: Toxic release	1	Text			✔		Should be Y or N.	If an accidental release occurred a regulated toxic substance could be released.
7.4.d.2. Major hazards identified: Fire	1	Text			✔		Should be Y or N.	Process upsets, leaks, equipment failure, etc., could result in a fire.
7.4.d.3. Major hazards identified: Explosion	1	Text			✔		Should be Y or N.	Confined or unconfined vapor cloud explosions.
7.4.d.4. Major hazards identified: Runaway reaction	1	Text			✔		Should be Y or N.	An uncontrolled reaction that proceeds at an increasing rate.
7.4.d.5. Major hazards identified: Polymerization	1	Text			✔		Should be Y or N.	A chemical reaction that produces the bonding of two or more monomers.
7.4.d.6. Major hazards identified: Overpressurization	1	Text			✔		Should be Y or N.	Instantaneous energy release or detonation.
7.4.d.7. Major hazards identified: Corrosion	1	Text			✔		Should be Y or N.	The presence of the regulated substance could lead to destruction of equipment and a release. Corrosion may be a major hazard for substances identified as corrosives on Material Safety Data Sheets unless the equipment used limits the hazard.
7.4.d.8. Major hazards identified: Overfilling	1	Text			✔		Should be Y or N.	Filling a tank or vessel beyond its maximum safe capacity.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
7.4.d.9. Major hazards identified: Contamination	1	Text			✔		Should be Y or N.	A release could occur if inappropriate substances are introduced into storage or process vessels. Contamination may be a major hazard when controlling inappropriate substances (e.g., H_2O) is difficult.
7.4.d.10. Major hazards identified: Equipment failure	1	Text					Should be Y or N.	Equipment failure will be a major hazard for most processes because such failure could lead to a release. Equipment failure includes cracks, weld failures, disk failures, ruptures, pump/gauge/control system failures, etc.
7.4.d.11. Major hazards identified: Loss of cooling, heating, electricity, instrument air	1	Text			✔		Should be Y or N.	These losses could be major hazards if they could lead to releases. For example, loss of cooling could lead to an increase in pressure and failure of a vessel or pipe, and a loss of heating or power could lead to unstable processes.
7.4.d.12. Major hazards identified: Earthquake	1	Text					Should be Y or N.	Report earthquakes as a major hazard only if they occur or are likely to occur at your site such that you design and plan for them.
7.4.d.13. Major hazards identified: Floods (flood plain)	1	Text					Should be Y or N.	Report floods as a major hazard only if they occur or are likely to occur at your site such that you design and plan for them.
7.4.d.14. Major hazards identified: Tornado	1	Text					Should be Y or N.	Report tornados as a major hazard only if they occur or are likely to occur at your site such that you design and plan for them.
7.4.d.15. Major hazards identified: Hurricanes	1	Text					Should be Y or N.	Report hurricanes as a major hazard only if they occur or are likely to occur at your site such that you design and plan for them.
7.4.d.16. Major hazards identified: Other (specify)	200	Text			✔		Should be non-blank if 7.4.d.1. - 7.4.d.15. are N.	The name of the major hazard if other than those listed in 7.4.d.1. through 7.4.d.15.
7.4.e. Process controls in use (Must select at least one.)			✔					
7.4.e.1. Process controls in use: Vents	1	Text			✔		Should be Y or N.	An opening provided for the discharge of pressure or release of pressure from tanks, vessels, processing equipment, etc.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
7.4.e.2. Process controls in use: Relief valves	1	Text			✔		Should be Y or N.	A valve that relieves pressure beyond a specified limit and re-closes upon return to normal operating procedures.
7.4.e.3. Process controls in use: Check valves	1	Text			✔		Should be Y or N.	A device for automatically limiting the flow in a piping system to a single direction.
7.4.e.4. Process controls in use: Scrubbers	1	Text			✔		Should be Y or N.	A pre-release protection measure that uses water or aqueous mixtures containing scrubbing reagents to remove discharging liquids and may treat the discharging chemical.
7.4.e.5. Process controls in use: Flares	1	Text			✔		Should be Y or N.	A pre-release protection measure used for flammable gases and vapors to remove and possibly treat discharged liquids.
7.4.e.6. Process controls in use: Manual shutoffs	1	Text			✔		Should be Y or N.	Manual controls of the shutoff flow to a pipe or vessel.
7.4.e.7. Process controls in use: Automatic shutoffs	1	Text			✔		Should be Y or N.	Controls the shutoff flow to a pipe or vessel and are triggered automatically when process conditions are exceeded.
7.4.e.8. Process controls in use: Interlocks	1	Text			✔		Should be Y or N.	A switch or other device that prevents activation of a piece of equipment when a protective door is open or some other hazard exists.
7.4.e.9. Process controls in use: Alarms and procedures	1	Text			✔		Should be Y or N.	Systems that operate a warning device after the occurrence of a Hazardous condition and procedures to activate the alarm system.
7.4.e.10. Process controls in use: Keyed bypass	1	Text			✔		Should be Y or N.	A bypass system that is activated by a control signal.
7.4.e.11. Process controls in use: Emergency air supply	1	Text			✔		Should be Y or N.	A backup system to provide air to a process when the regular air supply fails.
7.4.e.12. Process controls in use: Emergency power	1	Text			✔		Should be Y or N.	Backup power systems.
7.4.e.13. Process controls in use: Backup pump	1	Text			✔		Should be Y or N.	A secondary pump intended to serve the same function as the primary pump if the primary pump fails.
7.4.e.14. Process controls in use: Grounding equipment	1	Text			✔		Should be Y or N.	Devices that ground electrical equipment to avoid explosions.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
7.4.e.15. Process controls in use: Inhibitor addition	1	Text			✔		Should be Y or N.	A substance that is added to a reaction that is capable of stopping or retarding a chemical reaction.
7.4.e.16. Process controls in use: Rupture disks	1	Text			✔		Should be Y or N.	A device that relieves pressure beyond a specified limit.
7.4.e.17. Process controls in use: Excess flow device	1	Text			✔		Should be Y or N.	Flow-limiting equipment that protects downstream equipment from surges.
7.4.e.18. Process controls in use: Quench system	1	Text			✔		Should be Y or N.	A system that cools by removing excess heat or immersing liquid into a cooling medium.
7.4.e.19. Process controls in use: Purge system	1	Text			✔		Should be Y or N.	A system that replaces the atmosphere in a container with an inert substance to prevent the formation of an explosive mixture.
7.4.e.20. Process Controls in Use None	1	Text			✔		Should be Y or N.	No Process Controls in Use.
7.4.e.21. Process controls in use: Other (specify)	200	Text			✔		Should be non-blank if 7.4.e.1. through 7.4.e.20. are N.	The name of the process control if other than those listed in 7.4.e.1. through 7.4.e.19.
7.4.f. Mitigation systems (Must select at least one.) ✔								
7.4.f.1. Mitigation systems: Sprinkler systems	1	Text					Should be Y or N.	A system for protecting a building against fire by means of overhead pipes that release an extinguishing fluid through heat activated outlets.
7.4.f.2. Mitigation systems: Dikes	1	Text					Should be Y or N.	A low wall that acts as a barrier to prevent a spill from spreading.
7.4.f.3. Mitigation systems: Fire walls	1	Text					Should be Y or N.	A wall constructed to prevent the spread of fire.
7.4.f.4. Mitigation systems: Blast walls	1	Text					Should be Y or N.	A heavy wall used to isolate buildings or areas that contain highly combustible or explosive materials.
7.4.f.5. Mitigation systems: Deluge system	1	Text					Should be Y or N.	A system to overflow an area of a release with water or other extinguishing fluid.
7.4.f.6. Mitigation systems: Water curtain	1	Text					Should be Y or N.	A spray of water from a horizontal pipe through nozzles. The curtain may be activated manually or automatically.
7.4.f.7. Mitigation systems: Enclosure	1	Text					Should be Y or N.	A physical containment of the release within a structure (e.g., a building).

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
7.4.f.8. Mitigation systems: Neutralization	1	Text					Should be Y or N.	Something that facilitates and controls the release by neutralizing the released chemical.
7.4.f.9. Mitigation systems in Use None	1	Text					Should be Y or N.	No Mitigation systems in Use.
7.4.f.10. Mitigation systems: Other (specify)	200	Text					Should be non-blank if 7.4.f.1. through 7.4.f.9. are N.	The type of the mitigation system in use if other than one of the choices above.
7.4.g. Monitoring/detection (Must select at least one.) ✔								
7.4.g.1. Monitoring/detection: Process area detectors	1	Text					Should be Y or N.	Detection systems located on or close to process equipment. Detection systems include indicator tubes, and chromatographic, spectrometric, electrochemical, and colorimetric gas analysis.
7.4.g.2. Monitoring/detection: Perimeter monitors	1	Text					Should be Y or N.	Integrated detection networks at the source boundary. Detection systems can include fluorescent SO_2 analyzers, photoelectric tape sensors, or electrolytic chlorine detectors.
7.4.g.3. Monitoring/detection in Use None	1	Text					Should be Y or N.	No Monitoring or detection in Use.
7.4.g.4. Monitoring/detection: Other (specify)	200	Text					Should be non-blank if 7.4.g.1 through 7.4.g.3 are N.	The type of monitoring or detection system in place if other than the ones listed above.
7.4.h. Changes since last PHA update (Must select at least one.) ✔								
7.4.h.1. Changes since last PHA update: Reduction in chemical inventory	1	Text					Should be Y or N.	A decrease in the quantity of regulated substances stored on site.
7.4.h.2. Changes since last PHA update: Increase in chemical inventory	1	Text					Should be Y or N.	An increase in the quantity of regulated substances stored on site.
7.4.h.3. Changes since last PHA update: Change process parameters	1	Text					Should be Y or N.	An increase or decrease in temperature, pressure, flow rates, etc.
7.4.h.4. Changes since last PHA update: Installation of process controls	1	Text					Should be Y or N.	The addition of process controls used to prevent or limit releases.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
7.4.h.5. Changes since last PHA update: Installation of process detection systems	1	Text					Should be Y or N.	Additional detection systems have been installed to detect a release of a regulated substance from the process.
7.4.h.6. Changes since last PHA update: Installation of perimeter monitoring systems	1	Text					Should be Y or N.	Additional perimeter monitoring systems have been installed to detect a release of a regulated substance from the process.
7.4.h.7. Changes since last PHA update: Installation of mitigation systems	1	Text					Should be Y or N.	Additional mitigation systems have been put in place.
7.4.h.8. Changes since last PHA update: None recommended	1	Text					Should be Y or N.	The PHA or hazard review team did not recommend any changes to the process.
7.4.h.9. Changes since last PHA update: None	1	Text					Should be Y or N.	No Changes since last PHA update.
7.4.h.10. Changes since last PHA update: Other (specify)	200	Text					Should be non-blank if 7.4.h.1 through 7.4.h.9 are N.	Any other changes made to the process since the last PHA or hazard review.
7.5 Date of most recent review of operating procedures	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD.	Date of most recent review of revision to operating procedures.
7.6 Training								
7.6.a Training: Date of most recent review/revision of training programs	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD.	The date of the most recent review or revision of training programs.
7.6.b. Training: Type of training provided (Must select at least one.)			✔					
7.6.b.1. Training: Type of training provided: Classroom	1	Text					Should be Y or N.	An indication that training was in a classroom setting.
7.6.b.2 Training: Type of training provided: On the job	1	Text					Should be Y or N.	An indication that training was on the job.
7.6.b.3. Training: Type of training provided: Other (specify)	200	Text					Should be non-blank if 7.6.b.1 through 7.6.b.2 are N.	The name of the type of training provided if other than those listed in 7.6.b.1 or 7.6.b.2.
7.6.c. Training: Type of competency testing used (Must select at least one.)			✔					
7.6.c.1. Training: Type of competency testing used: Written test	1	Text					Should be Y or N.	A written test was given to determine and evaluate employee comprehension of training materials.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
7.6.c.2. Training: Type of competency testing used: Oral test	1	Text					Should be Y or N.	An oral test was given to determine and evaluate employee comprehension of training materials.
7.6.c.3. Training: Type of competency testing used: Demonstration	1	Text					Should be Y or N.	A demonstration was given to determine and evaluate employee comprehension of training materials.
7.6.c.4. Training: Type of competency testing used: Observation	1	Text					Should be Y or N.	Employees were observed to determine and evaluate employee comprehension of training materials.
7.6.c.5 Training: Type of competency testing used: Other (specify)	200	Text					Should be non-blank if 7.6.c.1 through 7.6.c.4 are N.	The type of competency test used if other than the values for Competency Test.
7.7 Maintenance								
7.7.a. Maintenance: Date of most recent review/revision of maintenance procedures	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD.	The date of most recent review or revision of maintenance procedures.
7.7.b. Maintenance: Date of most recent equipment inspection/test	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD.	The date of the most recent equipment inspection or test.
7.7.c. Maintenance: What equipment inspected or tested	200	Text		✔			Should not be null.	The equipment tested or inspected.
7.8 Management of Change								
7.8.a. Management of change: Date of most recent change that triggered management of change procedures	8	Date	YYYYMMDD				Should be in the format YYYYMMDD.	The date of the most recent change that triggered management of change procedures.
7.8.b. Management of change: Date of most recent review/revision of management of change procedures	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD.	The date of the most recent review or revision of management of change procedures.
7.9 Date of most recent pre-startup review	8	Date	YYYYMMDD				Should be in the format YYYYMMDD.	Date of the most recent pre-startup review.
7.10 Compliance audits								
7.10.a. Compliance audits: Date of most recent compliance audit	8	Date	YYYYMMDD	✶			Should be in the format YYYYMMDD.	Date of the most recent compliance audit. ✶ Required if a resubmission.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
7.10.b. Compliance audits: Expected or actual date of completion of all changes resulting from compliance audit	8	Date	YYYYMMDD				Should be in the format YYYYMMDD.	The expected or actual date of completion of all changes resulting from the compliance audit.
7.11 Incident investigation								
7.11.a. Incident investigation: Date of most recent incident investigation	8	Date	YYYYMMDD				Should be in the format YYYYMMDD.	The date of the most recent incident investigation.
7.11.b. Incident investigation: Expected or actual date of completion of any changes resulting from investigation	8	Date	YYYYMMDD				Should be in the format YYYYMMDD.	The expected or actual date of completion of any changes resulting from an investigation.
7.12 Date of most recent review/revision of employee participation plans	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD. Should not be null.	Date of most recent review or revision of employee participation plans.
7.13 Date of most recent review/revision of hot work permit procedures	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD. Should not be null.	Date of most recent review or revision of hot work permit procedures.
7.14 Date of most recent review/revision of contractor safety procedures	8	Date	YYYYMMDD				Should be in the format YYYYMMDD. Should not be null.	Date of most recent review or revision of contractor safety procedures.
7.15 Date of most recent evaluation of contractor safety performance	8	Date	YYYYMMDD				Should be in the format YYYYMMDD. Should not be null.	Date of most recent evaluation of contractor safety performance.
CBI Indicator Code	1	Text					None.	An indication that Confidential Business Information (CBI) was claimed for certain data elements in the record.
Prevention Program Description (Optional)	32768	Text					None.	The Prevent Program includes an optional description field.
Prevention Program Level 3 Chemicals Record								
Record Identifier = S7PP3CHEMICALS	14	Text				✔	Must be "S7PP3CHEMICALS"	Unique identifier for the Prevention Program 3 chemicals record destination table. Generated by RMP*Submit and 3rd-party programs.
Prevention Program Level 3 Identifier	4	Numeric				✔	Must be from Section 7 Prevention Program 3 Chemicals.	A unique number used to identify each prevention program within a NAICS code within a process. Generated by RMP*Submit and 3rd-party programs.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
7.2. Chemical								
Process Chemical Identifier	4	Numeric				✔	Must be from Section 1 Chemicals in Covered Process.	A number used to identify each chemical within a single RMP from Section 1 Chemicals in Covered Process. Generated by RMP*Submit and 3rd-party programs.
SECTION 8. PREVENTION PROGRAM LEVEL 2 For each Program Level 2 process, you must complete one Program Level 2 prevention program. Each Program Level 2 process identified in Section 1 must be associated with one or more Program Level 2 prevention programs in Section 8.								
Prevention Program Level 2 Record								
Record Identifier = S8PP2	5	Text				✔	Must be 'S8PP2'.	Unique identifier for the Section 8 Prevention Program 2 record destination table. Generated by RMP*Submit and 3rd-party programs.
Prevention Program Level 2 Identifier	4	Numeric				✔	Must be unique.	A unique number used to identify each prevention program within a NAICS code within a process. Generated by RMP*Submit and 3rd-party programs.
8.1 NAICS								
Process NAICS Identifier	4	Numeric				✔	Must be valid process NAICS identifier from Section 1 Process NAICS.	A number from Section 1 Process NAICS. Generated by RMP*Submit and 3rd-party programs.
8.3 Safety information								
8.3.a. Date of most recent review/revision of safety information	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD. Should not be null.	Date of most recent review or revision of safety information.
8.3.b. Federal/state regulations or industry-specific design codes and standards used to demonstrate compliance with the safety information requirement (Must select at least one.)				✔				
8.3.b.1. Design Code/Standard: NFPA 58 (or state law based on NFPA 58)	1	Text					Should be Y or N.	An indication of safety compliance with the National Fire Protection Association (NFPA) propane handling laws. Propane laws are based on NFPA 59 except in the states of California and Texas.
8.3.b.2. Design Code/Standard: OSHA (29 CFR 1910.111)	1	Text					Should be Y or N.	An indication of safety compliance with the Occupational Safety and Health Administration (OSHA) rule for handling anhydrous ammonia.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
8.3.b.3. Design Code/Standard: ASTM Standards	1	Text					Should be Y or N.	An indication of safety compliance with the American Society of Testing Materials (ASTM) standards. Establishes standards for materials, products, systems, services, test methods, specifications, classifications, definitions, and recommended practices.
8.3.b.4. Design Code/Standard: ANSI Standards	1	Text					Should be Y or N.	An indication of safety compliance with the American National Standards Institute (ANSI) standards. Nationally coordinates voluntary standards. Gives status to standards in such areas as definitions, terminology, symbols, and abbreviations; materials, performance characteristics, procedure, and methods of rating; methods of testing and analysis; size, weight, and volume; safety, health, and building construction.
8.3.b.5. Design Code/Standard: ASME Standards	1	Text					Should be Y or N.	An indication of safety compliance with the American Society of Mechanical Engineers standards. Conducts research and develops boiler, pressure vessel, and power test codes. Also develops safety codes and standards for equipment.
8.3.b.6. Design Code/Standard: None	1	Text					Should be Y or N.	An indication that no Federal or state regulations or industry-specific design codes or standards were used to demonstrate compliance with the safety information requirement.
8.3.b.7. Design Code/Standard: Other (specify)	200	Text					Should be non-blank if 8.3.b.1 through 8.3.b.6 are N.	The name of the industry-specific design code or standard used to demonstrate compliance with the safety information requirement if other than one of the choices above.
8.3.b.8. Design Code/Standard: Comments	100	Text					None.	A comment field to explain how Federal, State, or industry-specific design codes and standards are being used to demonstrate compliance with the safety information requirement.
8.4 Hazard review								
8.4.a. Hazard review: Date of completion of most recent hazard review/update	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD. Should not be null.	Date of completion of most recent hazard review or update.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
8.4.b. Hazard review: Expected or actual date of completion of all changes resulting from the hazard review	8	Date	YYYYMMDD				Should be in the format YYYYMMDD.	Expected or actual date of completion of all changes resulting from the hazard review.
8.4.c. Major hazards identified (Must select at least one.) ✔								
8.4.c.1. Major hazards identified: Toxic release	1	Text			✔		Should be Y or N.	If an accidental release occurred a regulated toxic substance could be released.
8.4.c.2. Major hazards identified: Fire	1	Text			✔		Should be Y or N.	Process upsets, leaks, equipment failure, etc., could result in a fire.
8.4.c.3. Major hazards identified: Explosion	1	Text			✔		Should be Y or N.	Confined or unconfined vapor cloud explosions.
8.4.c.4. Major hazards identified: Runaway reaction	1	Text			✔		Should be Y or N.	An uncontrolled reaction that proceeds at an increasing rate.
8.4.c.5. Major hazards identified: Polymerization	1	Text			✔		Should be Y or N.	A chemical reaction that produces the bonding of two or more monomers.
8.4.c.6. Major hazards identified: Overpressurization	1	Text			✔		Should be Y or N.	Instantaneous energy release or detonation.
8.4.c.7. Major hazards identified: Corrosion	1	Text			✔		Should be Y or N.	The presence of the regulated substance could lead to destruction of equipment and a release. Corrosion may be a major hazard for substances identified as corrosives on MSDSs unless the equipment used limits the hazard.
8.4.c.8. Major hazards identified: Overfilling	1	Text			✔		Should be Y or N.	Filling a tank or vessel beyond its maximum safe capacity.
8.4.c.9. Major hazards identified: Contamination	1	Text			✔		Should be Y or N.	A release could occur if inappropriate substances are introduced into storage or process vessels. Contamination may be a major hazard when controlling inappropriate substances (e.g., H_2O) is difficult.
8.4.c.10. Major hazards identified: Equipment failure	1	Text					Should be Y or N.	Equipment failure will be a major hazard for most processes because such failure could lead to a release. Equipment failure includes cracks, weld failures, disk failures, ruptures, pump/gauge/control system failures, etc.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
8.4.c.11. Major hazards identified: Loss of cooling, heating, electricity, instrument air	1	Text			✔		Should be Y or N.	These losses could be major hazards if they could lead to releases. For example, loss of cooling could lead to an increase in pressure and failure of a vessel or pipe, and a loss of heating or power could lead to unstable processes.
8.4.c.12. Major hazards identified: Earthquake	1	Text					Should be Y or N.	Report earthquakes as a major hazard only if they occur or are likely to occur at your site such that you design and plan for them.
8.4.c.13. Major hazards identified: Floods (flood plain)	1	Text					Should be Y or N.	Report floods as a major hazard only if they occur or are likely to occur at your site such that you design and plan for them.
8.4.c.14. Major hazards identified: Tornado	1	Text					Should be Y or N.	Report tornados as a major hazard only if they occur or are likely to occur at your site such that you design and plan for them.
8.4.c.15. Major hazards identified: Hurricanes	1	Text					Should be Y or N.	Report hurricanes as a major hazard only if they occur or are likely to occur at your site such that you design and plan for them.
8.4.c.16. Major hazards identified: Other (specify)	200	Text			✔		Should be non-blank if 8.4.c.1 - 8.4.c.15 are N.	The name of the major hazard identified if other than those listed in 8.4.c.1 through 8.4.c.15.
8.4.d. Process controls in use (Must select at least one.) ✔								
8.4.d.1. Process controls in use: Vents	1	Text			✔		Should be Y or N.	An opening provided for the discharge of pressure or release of pressure from tanks, vessels, processing equipment, etc.
8.4.d.2. Process controls in use: Relief valves	1	Text			✔		Should be Y or N.	A valve that relieves pressure beyond a specified limit and re-closes upon return to normal operating procedures.
8.4.d.3. Process controls in use: Check valves	1	Text			✔		Should be Y or N.	A device for automatically limiting the flow in a piping system to a single direction.
8.4.d.4. Process controls in use: Scrubbers	1	Text			✔		Should be Y or N.	A pre-release protection measure that uses water or aqueous mixtures containing scrubbing reagents to remove discharging liquids and may treat the discharging chemical.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
8.4.d.5. Process controls in use: Flares	1	Text			✔		Should be Y or N.	A pre-release protection measure used for flammable gases and vapors to remove and possibly treat discharged liquids.
8.4.d.6. Process controls in use: Manual shutoffs	1	Text			✔		Should be Y or N.	Manual controls of the shutoff flow to a pipe or vessel.
8.4.d.7. Process controls in use: Automatic shutoffs	1	Text			✔		Should be Y or N.	Controls of the shutoff flow to a pipe or vessel and are triggered automatically when process conditions are exceeded.
8.4.d.8. Process controls in use: Interlocks	1	Text			✔		Should be Y or N.	A switch or other device that prevents activation of a piece of equipment when a protective door is open or some other hazard exists.
8.4.d.9. Process controls in use: Alarms and procedures	1	Text			✔		Should be Y or N.	Systems that operate a warning device after the occurrence of a Hazardous condition and procedures to activate the alarm system.
8.4.d.10. Process controls in use: Keyed bypass	1	Text			✔		Should be Y or N.	A bypass system that is activated by a control signal.
8.4.d.11. Process controls in use: Emergency air supply	1	Text			✔		Should be Y or N.	A backup system to provide air to a process when the regular air supply fails.
8.4.d.12. Process controls in use: Emergency power	1	Text			✔		Should be Y or N.	Backup power systems.
8.4.d.13. Process controls in use: Backup pump	1	Text			✔		Should be Y or N.	A secondary pump intended to serve the same function as the primary pump if the primary pump fails.
8.4.d.14. Process controls in use: Grounding equipment	1	Text			✔		Should be Y or N.	Devices that ground electrical equipment to avoid explosions.
8.4.d.15. Process controls in use: Inhibitor addition	1	Text			✔		Should be Y or N.	A substance that is added to a reaction that is capable of stopping or retarding a chemical reaction.
8.4.d.16. Process controls in use: Rupture disks	1	Text			✔		Should be Y or N.	A device that relieves pressure beyond a specified limit.
8.4.d.17. Process controls in use: Excess flow device	1	Text			✔		Should be Y or N.	Flow-limiting equipment that protects downstream equipment from surges.
8.4.d.18. Process controls in use: Quench system	1	Text			✔		Should be Y or N.	A system that cools by removing excess heat or immersing liquid into a cooling medium.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
8.4.d.19. Process controls in use: Purge system	1	Text			✔		Should be Y or N.	A system that replaces the atmosphere in a container with an inert substance to prevent the formation of an explosive mixture.
8.4.d.20. Process controls in use: None	1	Text			✔		Should be Y or N.	No Process Controls in Use.
8.4.d.21. Process controls in use: Other (specify)	200	Text			✔		Should be non-blank if 8.4.d.1. - 8.4.d.20. are N.	The name of the process control in use if other than those listed in 8.4.d.1. - 8.4.d.20.
8.4.e. Mitigation systems (Must select at least one.) ✔								
8.4.e.1. Mitigation systems: Sprinkler system	1	Text					Should be Y or N.	A mitigation system for protecting a building against fire by means of overhead pipes which convey an extinguishing fluid through heat activated outlets.
8.4.e.2. Mitigation systems: Dikes	1	Text					Should be Y or N.	A low wall that acts as a barrier mitigating the spreading of a spill.
8.4.e.3. Mitigation systems: Fire walls	1	Text					Should be Y or N.	A wall constructed to mitigate the spread of fire.
8.4.e.4. Mitigation systems: Blast walls	1	Text					Should be Y or N.	A mitigation system which uses a heavy wall used to isolate buildings or areas that contain highly combustible or explosive materials.
8.4.e.5. Mitigation systems: Deluge system	1	Text					Should be Y or N.	A mitigation system to overflow an area of a release with water or other extinguishing fluid.
8.4.e.6. Mitigation systems: Water curtain	1	Text					Should be Y or N.	A mitigation system which uses a spray of water from a horizontal pipe through nozzles, the curtain may be activated manually or automatically.
8.4.e.7. Mitigation systems: Enclosure	1	Text					Should be Y or N.	A mitigation system which uses physical containment of the release within a structure (e.g., a building).
8.4.e.8. Mitigation systems: Neutralization	1	Text					Should be Y or N.	A mitigation system which controls a release by neutralizing the released chemical.
8.4.e.9. Mitigation systems in Use None	1	Text					Should be Y or N.	No Mitigation systems in Use.
8.4.e.10. Mitigation systems: Other (specify)	200	Text					Should be non-blank if 8.4.e.1. through 8.4.e.9. are N.	The name of the mitigation system if other than those listed in 8.4.e.1. through 8.4.e.9. are blank.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
8.4.f. Monitoring/detection (Must select at least one.) ✔								
8.4.f.1. Monitoring/detection: Process area detectors	1	Text					Should be Y or N.	Detection systems located on or close to process equipment. Detection systems include indicator tubes, and chromatographic, spectrometric, electrochemical, and colorimetric gas analysis.
8.4.f.2. Monitoring/detection: Perimeter monitors	1	Text					Should be Y or N.	Integrated detection networks at the source boundary. Detection systems can include fluorescent SO_2 analyzers, photoelectric tape sensors, or electrolytic chlorine detectors.
8.4.f.3.Monitoring/detection in Use None	1	Text					Should be Y or N.	No Monitoring or detection in Use.
8.4.f.4. Monitoring/detection: Other (specify)	200	Text					Should be non-blank if 8.4.f.1. & 8.4.f.3 are N.	A description of the monitoring or detection mechanism in place if other than those specified in 8.4.f.1. and 8.4.f.3.
8.4.g. Changes since last Process Hazard Analysis (PHA) update (Must select at least one.) ✔								
8.4.g.1. Changes since last PHA update: Reduction chemical inventory	1	Text					Should be Y or N.	A decrease in the quantity of regulated substances stored on site.
8.4.g.2. Changes since last PHA update: Increase chemical inventory	1	Text					Should be Y or N.	An increase in the quantity of regulated substances stored on site.
8.4.g.3. Changes since last PHA update: Change in process parameters	1	Text					Should be Y or N.	An increase or decrease in temperature, pressure, flow rates, etc.
8.4.g.4. Changes since last PHA update: Installation of process controls	1	Text					Should be Y or N.	The addition of process controls used to prevent or limit releases.
8.4.g.5. Changes since last PHA update: Installation of process detection systems	1	Text					Should be Y or N.	Additional detection systems have been installed to detect a release of a regulated substance from the process.
8.4.g.6. Changes since last PHA update: Installation of perimeter monitoring systems	1	Text					Should be Y or N.	Additional perimeter monitoring systems have been installed to detect a release of a regulated substance from a process.
8.4.g.7. Changes since last PHA update: Installation of mitigation systems	1	Text					Should be Y or N.	Addition of systems such as those listed under Mitigation Systems.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
8.4.g.8. Changes since last PHA update: None recommended	1	Text					Should be Y or N.	No changes were recommended to be made to the process.
8.4.g.9. Changes since last PHA update: None	1	Text					Should be Y or N.	No Changes since last PHA update.
8.4.g.10. Changes since last PHA update: Other (specify)	200	Text					Should be non-blank if 8.4.g.1. - 8.4.g.8. are N.	The name of the change since the last PHA update if other than those listed in 8.4.g.1. through 8.4.g.9.
8.5 Date of most recent review/revision of operating procedures	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD. Should not be null.	The date of most recent review or revision of operating procedures.
8.6 Training								
8.6.a. Training: Date of most recent review/revision of training programs	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD. Should not be null.	The date of most recent review or revision of training programs.
8.6.b. Training: Type of training provided (Must select at least one.)				✔				
8.6.b.1. Training: Type of training provided: Classroom	1	Text					Should be Y or N.	An indication that training was in a classroom setting.
8.6.b.2. Training: Type of training provided: On the job	1	Text					Should be Y or N.	An indication that training was on the job.
8.6.b.3. Training: Type of training provided: Other (specify)	200	Text					Should be non-blank if 8.6.b.1 - 8.6.b.2 are N.	A description of the type of training type provided if other than those listed in 8.6.b.1 through 8.6.b.2.
8.6.c. Training: Type of competency test used (Must select at least one.)				✔				
8.6.c.1. Training: Type of competency test used: Written test	1	Text					Should be Y or N.	A written test was given to determine and evaluate employee comprehension of training materials.
8.6.c.2. Training: Type of competency test used: Oral test	1	Text					Should be Y or N.	An oral test was given to determine and evaluate employee comprehension of training materials.
8.6.c.3. Training: Type of competency test used: Demonstration	1	Text					Should be Y or N.	A demonstration was given to determine and evaluate employee comprehension of training materials.
8.6.c.4. Training: Type of competency test used: Observation	1	Text					Should be Y or N.	Employees were observed to determine and evaluate employee comprehension of training materials.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
8.6.c.5. Training: Type of competency test used: Other (specify)	200	Text					Should be non-blank if 8.6.c.1. - 8.6.c.4. are N.	A description of the type of competency test used if other than those listed in 8.6.c.1. through 8.6.c.4.
8.7 Maintenance								
8.7.a. Maintenance: Date of most recent review/revision of maintenance procedures	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD. Should not be null.	Date of most recent review or revision of maintenance procedures.
8.7.b Maintenance: Date of most recent equipment inspection/test	8	Date	YYYYMMDD	✔			Should be in the format YYYYMMDD. Should not be null.	Date of most recent equipment inspection or test.
8.7.c. Maintenance: What equipment inspected/tested	200	Text		✔			Should not be null.	The name or description of the equipment tested.
8.8 Compliance Audits								
8.8.a. Compliance Audits: Date of most recent compliance audit.	8	Date	YYYYMMDD	✶			Should be in the format YYYYMMDD. Should not be null.	Date of most recent Compliance Audit. ✶ Required if a resubmission.
8.8.b. Compliance Audits: Expected or actual date of completion of all changes resulting from the Compliance Audit.	8	Date	YYYYMMDD				Should be in the format YYYYMMDD. Should not be null.	Expected or actual date of completion of all changes resulting from the Compliance Audit.
8.9 Incident Investigation								
8.9.a. Incident investigation: Date of most recent incident investigation	8	Date	YYYYMMDD				Should be in the format YYYYMMDD.	Date of most recent incident investigation.
8.9.b. Incident investigation: Expected or actual date of completion of all changes resulting from the investigation	8	Date	YYYYMMDD				Should be in the format YYYYMMDD.	The expected or actual date of completion of all changes resulting from the investigation.
8.10 Date of most recent change that triggered review/revision of safety information, hazard review, operating or maintenance procedures or training	8	Date	YYYYMMDD				Should be in the format YYYYMMDD.	Date of most recent change that triggered review or revision of safety information, hazard review, operating or maintenance procedures or training.
CBI Indicator Code	1	Text					Should be Y or N.	An indication that Confidential Business Information (CBI) was claimed for certain data elements in the record.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
Prevention Program Description (Optional)	32768	Text					None	The Prevention Program includes an optional description field.
Prevention Program Level 2 Chemicals Record								
Record Identifier = S8PP2CHEMICALS	14	Text				✔	Must be 'S8PP2CHEMICALS'	Unique identifier for the Prevention Program 2 Chemicals record destination table. Generated by RMP*Submit and 3rd-party programs.
Prevention Program Level 2 Identifier	4	Numeric				✔	Must be unique.	A unique number used to identify each prevention program within a NAICS code. Generated by RMP*Submit and 3rd-party programs.
8.2. Chemical								
Process Chemical Identifier	4	Numeric				✔	Must be from Section 1 Chemicals in Covered Process.	A number used to identify each chemical within a single RMP. Generated by RMP*Submit and 3rd-party programs.
SECTION 9. EMERGENCY RESPONSE PLAN You must submit information on your emergency response activities even if you are not required to develop an emergency response plan. Section 9 must be completed once to cover all covered processes.								
Emergency Response Plan Record								
Record Identifier = S9ERPLAN	8	Text				✔	Must be 'S9ERPLAN'	Unique identifier for Emergency Response Plan record destination table. Generated by RMP*Submit and 3rd-party programs.
9.1 Emergency Response (ER) plan								
9.1.a. Is Facility included in written Community Emergency Response Plan (ERP)?	1	Text		✔			Should be Y or N.	Flag indicating that the facility is included in the written Community Emergency Response Plan (ERP).
9.1.b. Does Facility have its own written ERP?	1	Text		✔			Should be Y or N. Should be blank if 9.2 - 9.6 are blank. Should be non-blank if any or all of 9.2 - 9.6 are N.	Flag indicating that the facility has its own written Emergency Response Plan (ERP).
9.2 Does facility's ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?	1	Text		✔ if Fac. has own ERP			Should be Y or N. Should be Y if 9.1.b is Y.	Flag indicating that the plan includes specific actions that should be taken in response to an accidental release of a regulated substance.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
9.3 Does facility's ER plan include procedures for informing the public and local agencies responsible for responding to accidental releases?	1	Text		✔ if Fac. has own ERP			Should be Y or N. Should be Y if 9.1.b is Y.	Flag indicating that plan includes procedures for informing public and local agencies responding to the accidental releases.
9.4 Does facility's ER plan include information on emergency health care?	1	Text		✔ if Fac. has own ERP			Should be Y or N. Should be Y if 9.1.b is Y.	Flag indicating that plan includes information on emergency health care.
9.5 Date of most recent review/ update of facility's ER plan	8	Date	YYYYMMDD	✔ if Fac. has own ERP			YYYYMMDD or blank. Should be non-blank if 9.1.b. is Y.	Date of most recent review or update of ER plan.
9.6 Date of most recent ER training for facility's employees	8	Date	YYYYMMDD	✔ if Fac. has own ERP			Should be in the format YYYYMMDD. Should be non-blank if 9.1.b. is Y.	Date of most recent ER training for employees.
9.7 Local agency with which facility ER plan or response activities are coordinated								
9.7.a. Local agency with which facility ER plan or response activities are coordinated: Name of agency	35	Text		✔			None.	Name of local agency with which the ER plan is coordinated.
9.7.b. Local agency with which facility ER plan or response activities are coordinated: Phone number	10	Text		✔			Numbers only. Should be 10 digits (no less).	Phone number of local agency with which the ER plan is coordinated.
9.8 Subject to (Must select at least one.)				✔				
9.8.a. Subject to: OSHA Regulations at 29 CFR 1910.38	1	Text					Should be Y or N. Should be Y if 9.8.b is N.	An indication that the site is subject to OSHA's Emergency Action Plan. All sources are subject to this Rule except State and local governments in states without delegated OSHA programs.
9.8.b. Subject to: OSHA Regulations at 29 CFR 1910.120	1	Text					Should be Y or N. Should be Y if 9.8.a is N.	An indication that the site is subject to OSHA's Hazardous Waste Operations and Emergency Response (HAZWOPER) plan.

Data Element Name	Length	Type	Format	RMP	CBI	SUB	Validation Rule	Description
9.8.c. Subject to: Clean Water Act Regulations at 40 CFR 112	1	Text					Should be Y or N.	An indication that the site is subject to EPA's Oil Spill Prevention Control and Countermeasures Plan requirements.
9.8.d. Subject to: Resource Conservation and Recovery Act (RCRA) Regulations at 40 CFR 264, 265, 279.52	1	Text					Should be Y or N.	An indication that the site is subject to EPA's Resource Conservation and Recovery Act (RCRA) permitting requirements for solid waste.
9.8.e. Subject to: Oil Pollution Act (OPA) 90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, 30 CFR 254	1	Text					Should be Y or N.	An indication that the site is subject to EPA, U.S. Coast Guard, Department of Transportation, and Department of the Interior facility response plan requirements. Currently these apply only to oil.
9.8.f. Subject to: State EPCRA Rules or Laws	1	Text					Should be Y or N.	These are the state Emergency Planning and Community Right-to-Know Act (EPCRA) laws. Federal EPCRA does not require facility response plans, but some state laws may.
9.8.g. Subject to: Other (specify)	200	Text					None.	The name of the other regulation which applies to the Emergency Response Plan if other than those listed in 9.8.a. through 9.8.f.